

低功率射頻器材 檢驗報告

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製造廠商	Sony Interactive Entertainment Inc.
受檢設備名稱	PlayStation® 5
廠牌	SONY
型號	CFI-1018A
檢驗依據標準	國家通訊傳播委員會功率射頻器材 技術規範 (LP0002)
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實驗室認可編號及範圍：0371 (9 kHz to 325 GHz)

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測試報告記錄

申請廠商：台灣索尼互動娛樂股份有限公司
 製造廠商：Sony Interactive Entertainment Inc.
 廠牌：SONY
 品名：PlayStation®5
 型號：CFI-1018A
 檢驗依據標準：國家通訊傳播委員會低功率射頻器材技術規範(LP0002)
 規範修訂日期109年07月01日
 發射功率(電場強度)：0.64 dBm (發射功率)
 工作頻率及調變方式：2402~2480MHz / GFSK
 天線規格：廠牌/型號/天線增益：LUXSHARE-ICT/L34RF057/5.8dBi

- 備註：1. 本試驗報告中是描述本實驗室以最佳的知識和能力進行試驗，我們的責任僅限於合理與謹慎的試驗，並非確保賣方之法律和/或合同的義務。
 2. 本符合性試驗係依據適當的標準及試驗樣品進行測試，本試驗報告的結果僅與測試項目有關，且僅針對受試驗之樣品負責，無法確保產品生產過程中的品質與性能要求。
 3. 非經本中心同意，檢驗報告不得摘錄複印使用。（全部複製除外）。

項次	測試項目	適用規範	量測設備	測試結果	結果判定
1	電源線傳導干擾之要求	低功率射頻器材技術規範 3.3節	請參閱4.3節	請參閱4.4節	合格
2	天線增益之要求	低功率射頻器材技術規範 4.10.1.3	----	請參閱5.2節	----
3	發射頻寬之要求	低功率射頻器材技術規範 4.10.1.6節之(2)(A)	請參閱6.3節	請參閱6.4節	合格
4	峰值輸出功率之要求	低功率射頻器材技術規範 4.10.1.2節之(1)(C)	請參閱7.3節	請參閱7.4節	合格
5	功率密度之要求	低功率射頻器材技術規範 4.10.1.6節之(2)(B)	請參閱8.3節	請參閱8.4節	合格
6	混附波發射限制之要求	低功率射頻器材技術規範 4.10.1.5	請參閱9.3節	請參閱9.4節	合格
7	場強輻射之要求	低功率射頻器材技術規範 4.10.1.5	請參閱10.3節	請參閱10.5節	合格
	以下空白				

測量實驗室負責人：鄭景文 109.08.31 直接主管：黃敬瑞 109.08.31 量測員：郭世昂 109/08/31

1 一般資料

1.1 產品描述

- a) 產品型態 : PlayStation® 5
 b) 商 標 : SONY
 c) 產品型號 : CFI-1018A
 d) 供應電源 : AC 110V

備註：本產品內含WLAN、Bluetooth 及 Bluetooth LE 無線技術，WLAN部份包含DTS與UNII頻帶。本報告僅記錄 Bluetooth LE 部份，Bluetooth 部份請見ETC報告編號: 20-07-MAS-052-01，DTS 部份請見ETC報告編號: 20-07-MAS-052-03，UNII Band 1 (5180 MHz 至 5240 MHz)部份請見ETC報告編號: 20-07-MAS-052-04，UNII Band 2 (5260 至 5320 MHz)部份請見ETC報告編號: 20-07-MAS-052-05，UNII Band 3 (5500至 5700 MHz) 部份請見ETC報告編號: 20-07-MAS-052-06，UNII Band 4 (5725至 5850 MHz) 部份請見ETC報告編號: 20-07-MAS-052-07。

e) 109低功率射頻器材技術規範與107低功率射頻電機技術規範對照表

項次	測試項目	109低功率射頻器材技術規範	107低功率射頻電機技術規範
1	電源線傳導干擾之要求	低功率射頻器材技術規範 3.3節	低功率射頻電機技術規範 2.3節
2	天線增益之要求	低功率射頻器材技術規範 4.10.1.3	低功率射頻電機技術規範 3.10.1.3
3	發射頻寬之要求	低功率射頻器材技術規範 4.10.1.6節之(2)(A)	低功率射頻電機技術規範 3.10.1.6節之(2)(A)
4	峰值輸出功率之要求	低功率射頻器材技術規範 4.10.1.2節之(1)(C)	低功率射頻電機技術規範 3.10.1.2節之(1)(C)
5	功率密度之要求	低功率射頻器材技術規範 4.10.1.6節之(2)(B)	低功率射頻電機技術規範 3.10.1.6節之(2)(B)
6	混附波發射限制之要求	低功率射頻器材技術規範 4.10.1.5	低功率射頻電機技術規範 3.10.1.5
7	場強輻射之要求	低功率射頻器材技術規範 4.10.1.5	低功率射頻電機技術規範 3.10.1.5
	以下空白		

1.2 產品特性

此裝置為 PlayStation® 5，其發射頻率落於 2402 至 2480 MHz 共分 40 個頻道，採用 Bluetooth Low Energy 數位調變技術，調變方式為 GFSK，傳輸速度為：1Mbps、2Mbps。內含兩個Bluetooth Module，Module 1輸出功率為0.64 dBm，即為 1.16 mW；Module 2輸出功率為0.52 dBm，即為 1.13 mW。

1.3 測試方法之依據

本測試報告之所有項目皆依據國家通訊傳播委員會低功率射頻電機技術規範以及參考IEEE ANSI、歐盟ETSI EN與美國EIA、FCC 47 CFR PART 2、KDB及ARIB STD-T67 等有關檢驗之規定。

試驗室介紹：財團法人台灣商品檢測驗證中心電磁相容試驗室通過下列評鑑、認可、登錄與相互認可協議：

- ❶ ISO/IEC 17025 : TAF(0371), NVLAP(Lab code: 200133-0), CBTL([TÜ V SÜ D](#))
- ❷ Recognized : BSMI, NCC, FCC(TW0371, TW1112), ISED(Industry Canada Site # 2949A-2)
- ❸ Filing : VCCI (C-13518, R-13177, G-10098, T-11682)
- ❹ MRA : Australia, New Zealand, Singapore

2 適用規範

2.1 規範要求

(1) 傳導之規定

依據國家通訊傳播委員會低功率射頻電機技術規範之2.3節，以市電為電源之低功率射頻電機，其傳導回電源線上頻率自150KHz~30MHz之射頻電壓(在電源端子每一電源線對接地點)應小於或等於下表所列之限制值。測量時應經過50微亨利及50歐姆之電源線阻抗穩定網路(Line Impedance Stabilization Network ; LISN)。頻率重疊處，以較低限制值為準。

頻率範圍 MHz	傳導限制值(dB μ V)	
	準峰值(Quasi-peak)	平均值(Average)
0.15 – 0.5	66-56(註)	56-46(註)
0.5 – 5	56	46
5 – 30	60	50

註:隨頻率之對數遞減

(2) 天線增益之要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.3之規定，若發射天線之方向性增益超過6dBi時，除符合下列情形外，應依其所超過之dB數降低最大傳導輸出功率。

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.3節之(3)規定，除3.10.1.3節之(1)與(2)外，使用超過6dBi方向增益之發射天線時，應依照超過6 dBi天線方向性增益的 dBi總量，等量減少最大傳導輸出功率限制值。

(3) 頻寬之要求

對使用數位調變技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節之(2)(A)規定，6dB頻寬至少應有500 kHz。

(4) 峰值輸出功率之要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.2節之(1)(C)規定，對使用數位調變技術之低功率發射機，其峰值傳導輸出功率不得大於 1 Watt，且其所使用天線之增益不可大於6 dBi，若使用大於6dBi增益之天線，則其峰值傳導輸出功率相對需衰減天線增益所增加之量(單位為dB)。放寬之條件請參考天線增益之要求。

(5) 功率密度之要求

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節之(2)(B)規定，對數位調變技術系統，在使用頻率範圍之任一3 kHz頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於8毫分貝(dBm)，且應依3.10.1.3之方式降低功率頻譜密度限制值。

(6) 發射限制之要求

操作頻帶範圍外之任意100 kHz內，發射器所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之100 kHz內的射頻功率，其衰減值限制如下：

- (1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

此外，落於第 2.7 節禁用頻段之輻射發射，應符合第 2.8 節之規定。

(7) 輻射之規定

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5節之要求，落於2.7節禁用頻段之輻射發射，應符合2.8節之規定：

頻率 MHz	測試距離 m	限制值 $\mu\text{V/m}$
0.009 - 0.490(含)	300	2400/頻率(kHz)
0.490(不含) - 1.705(含)	30	24000/頻率(kHz)
1.705(不含) - 30(不含)	30	30
30(含) - 88(含)	3	100
88(不含) - 216(含)	3	150
216(不含) - 960(含)	3	200
960(不含)以上	3	500

2.2 限制使用之頻帶

頻率 (MHz)	頻率 (MHz)
0.090~0.110	1660.0~1785.0
0.490~0.510	1805.0~1880.0
2.172~2.198	1885.0~1900.0
3.013~3.033	1905.0~1985.0
4.115~4.198	2010.0~2025.0
5.670~5.690	2110.0~2170.0
6.200~6.300	2200.0~2300.0
8.230~8.400	2310.0~2390.0
12.265~12.600	2483.5~2900.0
13.340~13.430	3260.0~3267.0
14.965~15.020	3332.0~3339.0
16.700~16.755	3345.8~3358.0
19.965~20.020	3500.0~4400.0
25.500~25.700	4500.0~5250.0
37.475~38.275	5350.0~5460.0
73.500~75.400	7250.0~7750.0
108.00~138.00	8025.0~8500.0
149.90~150.05	9000.0~9200.0
156.70~156.90	9300.0~9500.0
162.01~167.17	10600~12700
167.72~173.20	13250~13400
240.00~285.00	14470~14500
322.00~335.40	15350~16200
399.90~410.00	17700~21400
485.00~510.00	22010~23120
608.00~614.00	23600~24000
703.00~748.00	31200~31800
758.00~803.00	36430~36500
825.00~915.00	38600 以上
930.00~1240.0	
1300.0~1427.0	
1435.0~1626.5	

3 受測裝置之系統說明

3.1 受測裝置

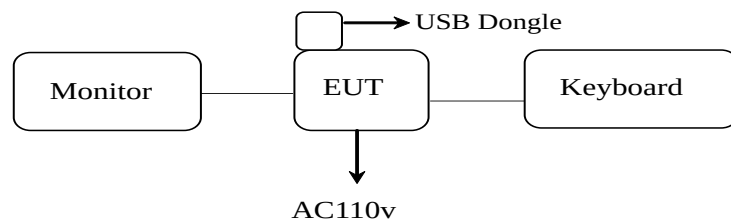
裝置名稱	製造者/代理者	型 號	纜線說明
* PlayStation® 5	Sony Interactive Entertainment Inc.	CFI-1018A	非隔離電源線 1.5m* 1 (廠牌:I-sheng /型號:SP-18B)
Keyboard	DELL	KB216P	非隔離信號線 1.8m * 1
Monitor	DELL	SE2216H	非隔離電源線 1.8m * 1
USB Dongle	SONY	USB3.1Gen1	----
Notebook	HP	Probook650G1	非隔離信號線 10m * 1 (LAN)
USB HDD	SONY	HD-EG5	隔離信號線 1.0m * 1 (USB)
USB HDD	I/O DATA	HDPX-JTCIK	隔離信號線 30cm * 1 (USB Type-C)
Wireless Router	ASUS	RT-AX88U	非隔離電源線 2.3m* 1/Adapter
Media Remote	SONY	CFI-ZMR1	----
*Wireless Controller	SONY	CFI-ZCT1G	----
Wireless Controller	SONY	CFI-ZCT1G	----
*USB Cable 1 (註 2)	LUXSHARE-ICT	L34U20	隔離信號線 1.5m * 1
*USB Cable 2 (註 2)	JPC	PK3U2EG	隔離信號線 1.5m * 1
*HDMI Cable	LUXSHARE-ICT	L34HD	隔離信號線 1.5m * 1

註: 1.標記“*”表欲申請之受測物及配件。

2.配件USB Cable 1和USB Cable 2，擇一搭配販售。

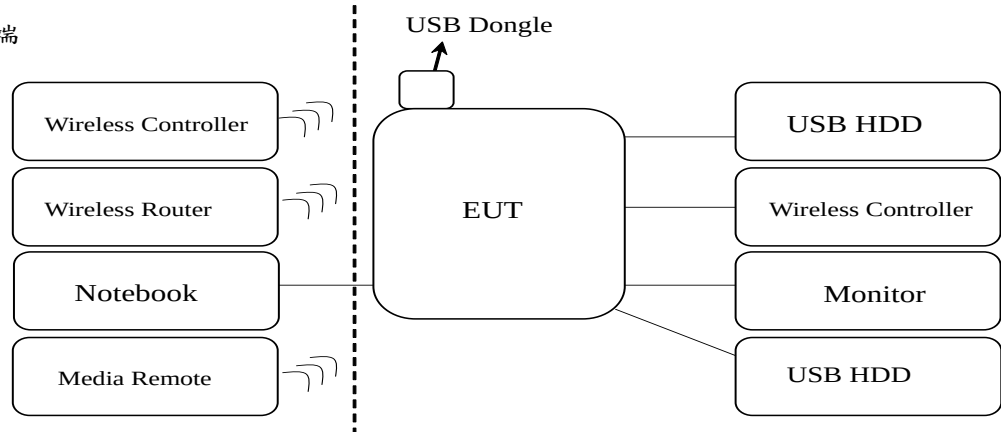
3.測試配置：

工程模式



Normal Mode

遠端



3.

軟體設定:

軟體名稱:	樣品內含測試程式
軟體設定:	Power Setting : Default

3.2 測試模式說明

3.2.1 調變方式及模式

	Test Mode	Type
BLE_Module1	A	GFSK (1Mbps)
	B	GFSK (2Mbps)
BLE_Module2	C	GFSK (1Mbps)
	D	GFSK (2Mbps)

Normal Mode:

Test Mode	Note
E	BD Playing+BT+LAN+USB Cable 1
F	Game+BT+WiFi+USB Cable 2

Test Channel	Frequency (MHz)
Channel Low(L)	2402
Channel Mid(M)	2440
Channel High(H)	2480

3.2.2 測試項目及模式

Item	測試項目	測試模式	測試頻道
1	電源線傳導干擾之量測	B(註1)、D(註1)、E、F	M (Worse Case)
2	發射頻寬之量測	A、B、C、D	L，M，H
3	峰值輸出功率之量測	A、B、C、D	L，M，H
4	功率密度之量測	A、B、C、D	L，M，H
5	混附波發射限制之量測	A、B、C、D	L，M，H
6	場強輻射之量測(主諧波)	A、B、C、D	L，M，H
6.1	場強輻射之量測(1GHz以下)	A、B、C、D、E、F	M (Worse Case)
6.2	場強輻射之量測(1GHz以上)	A、B、C、D	L，M，H

註:1. 各調變預掃時無差異，擇一作最終測試並記錄之。

- 量測場強輻射時，應對其兩個正交軸(X、Y)的方位評估測試，並分別測試以找出最大輻射電場強度軸向，以最差軸模式測試，並記錄其值與軸向放置。

3.2.3 測試場地

項次	測 試 場 地
1	■ RE02 — EMC B1 — N2 第一大樓地下二樓 3m 半電波暗室(N2)
2	■ CE04 — 10M 2F 第三大樓二樓傳導測試室(10m 大樓)
3	■ RF — Cond01 第一大樓地下一樓直量測試區
4	□ RF — Cond02 第一大樓地下二樓直量測試區

3.2.4 Duty cycle

BLE_Module1

測試模式：Mode A

File: 20-07-MAS-052_BLE_1M_BT1

#15

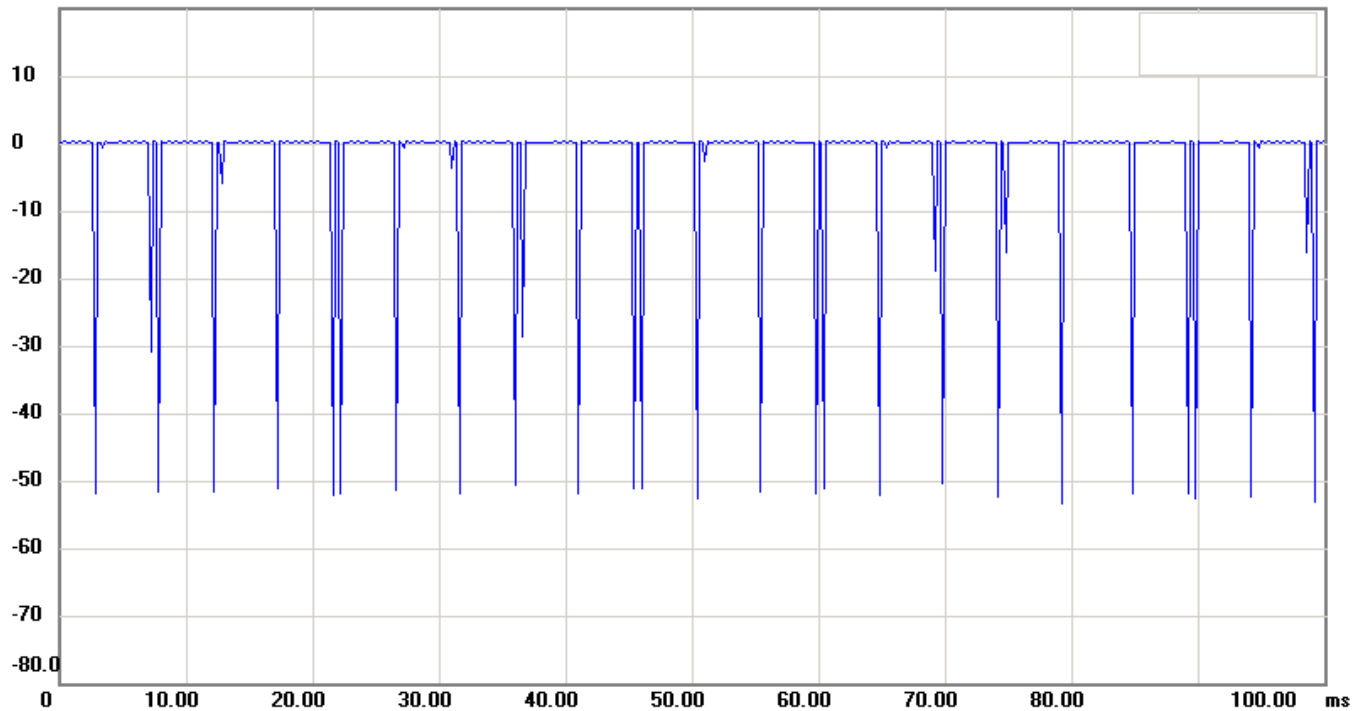
Date: 2020/7/27

Temperature: 23 °C

Site: RF-Cond01

Humidity: 56 %

20.0 dBm



Condition:

EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_BLE Duty Cycle-1

RF Conducted

Sweep Time: 100ms Att.: 20dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

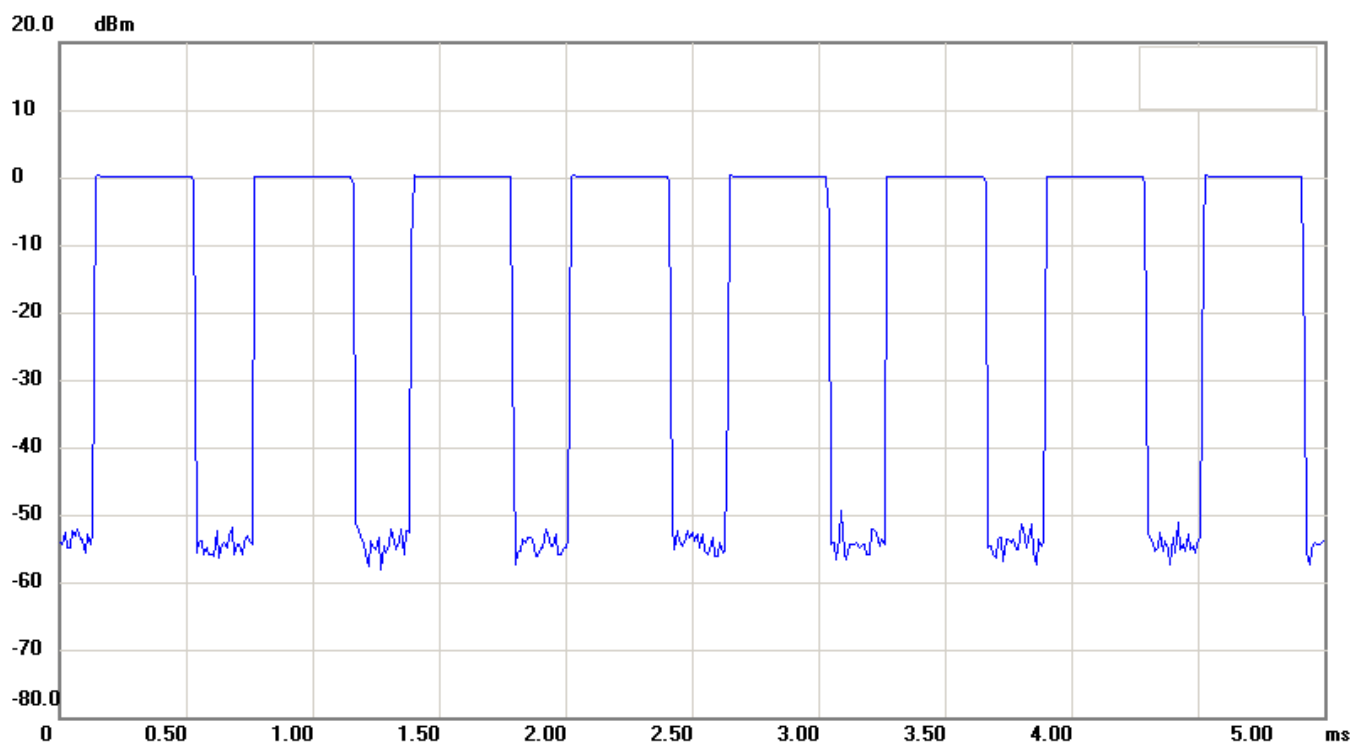
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#16

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:****EUT:**

PlayStation5 console (Wireless)

Model:

CFI-1018A

Test Mode:

BLE_1M

Note:

NCC_LP0002_BLE Duty Cycle-2 (Duty = 66.1%)

RF Conducted**Sweep Time:** 5ms**Att.:** 20dB**RBW:** 1000 KHz**VBW:** 1000 KHz**Operator:**

Phillip

BLE_Module1

測試模式：Mode B

File: 20-07-MAS-052_BLE_2M_BT1

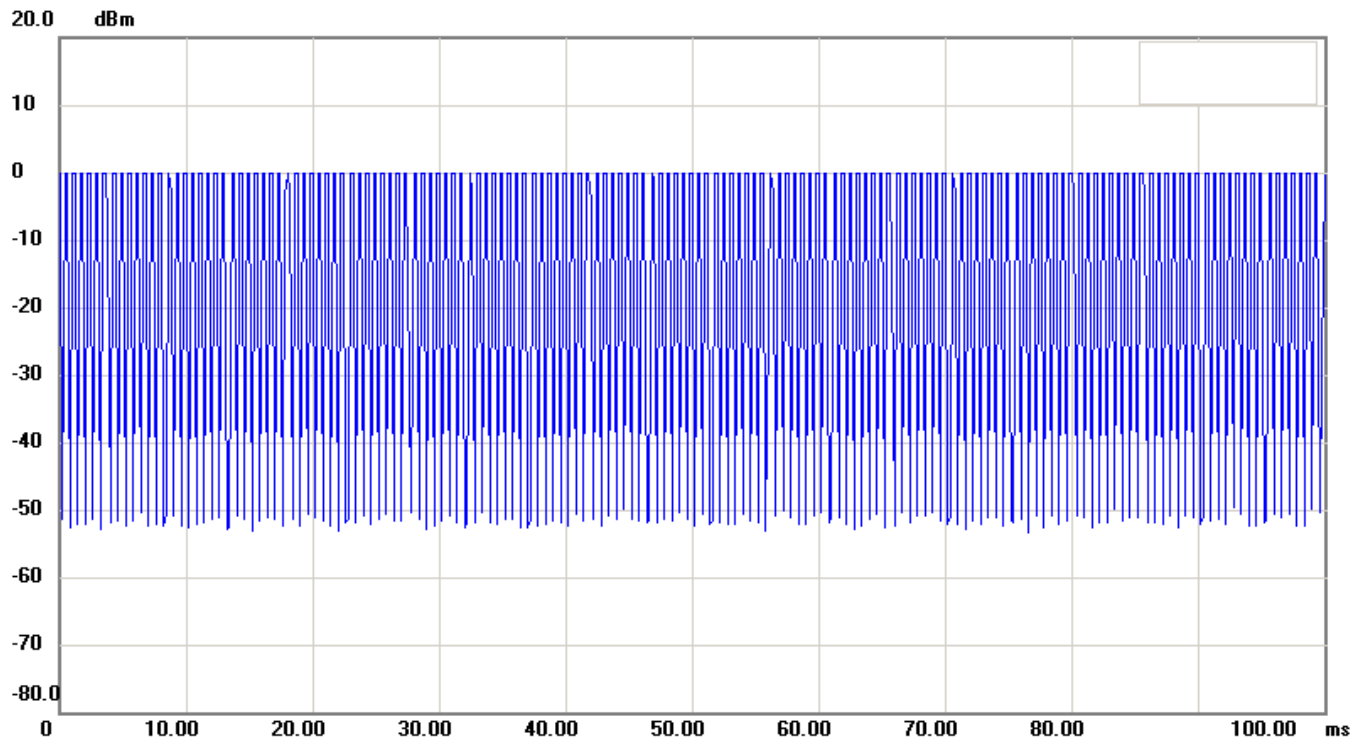
#15

Date: 2020/7/27

Temperature: 23 °C

Site: RF-Cond01

Humidity: 56 %



Condition:

EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_BLE Duty Cycle-1

RF Conducted

Sweep Time: 100ms Att.: 20dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

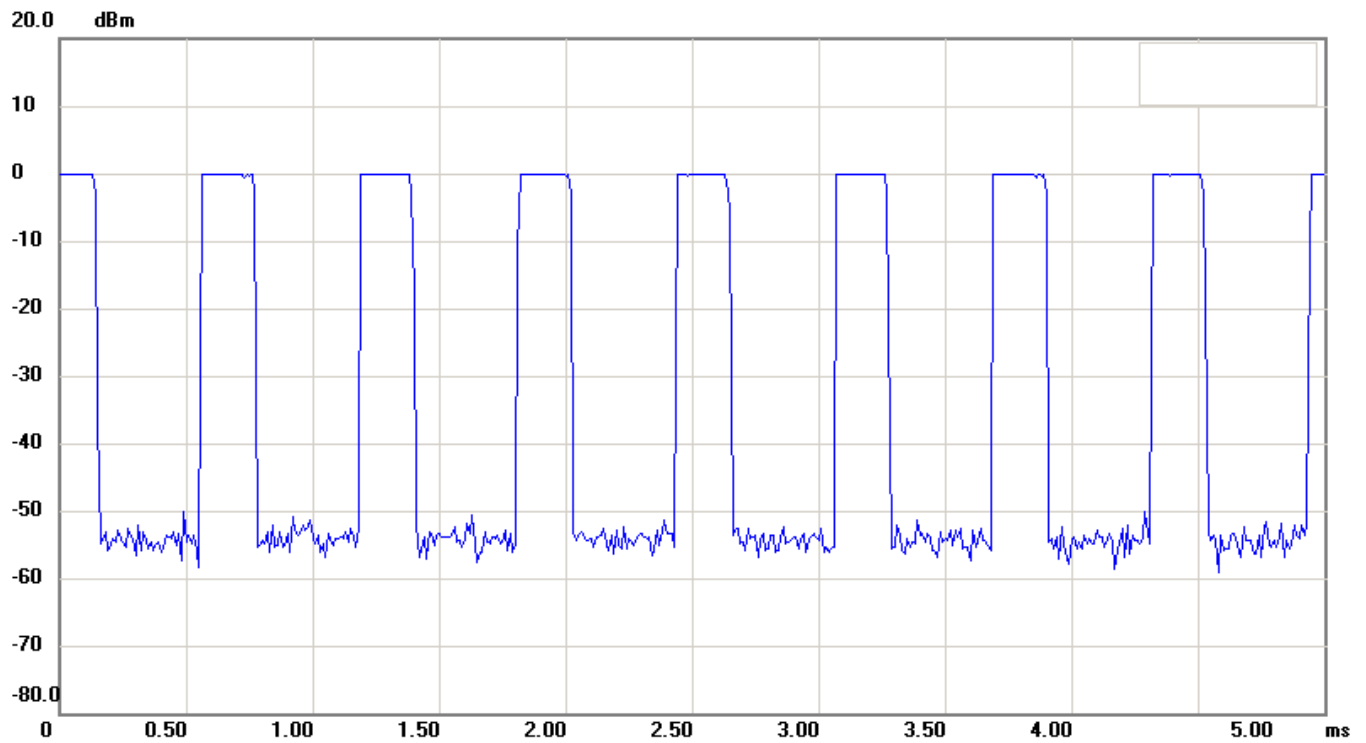
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#16

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_BLE Duty Cycle-2 (Duty = 36.5%)

RF Conducted

Sweep Time: 5ms

RBW: 1000 KHz

Operator:

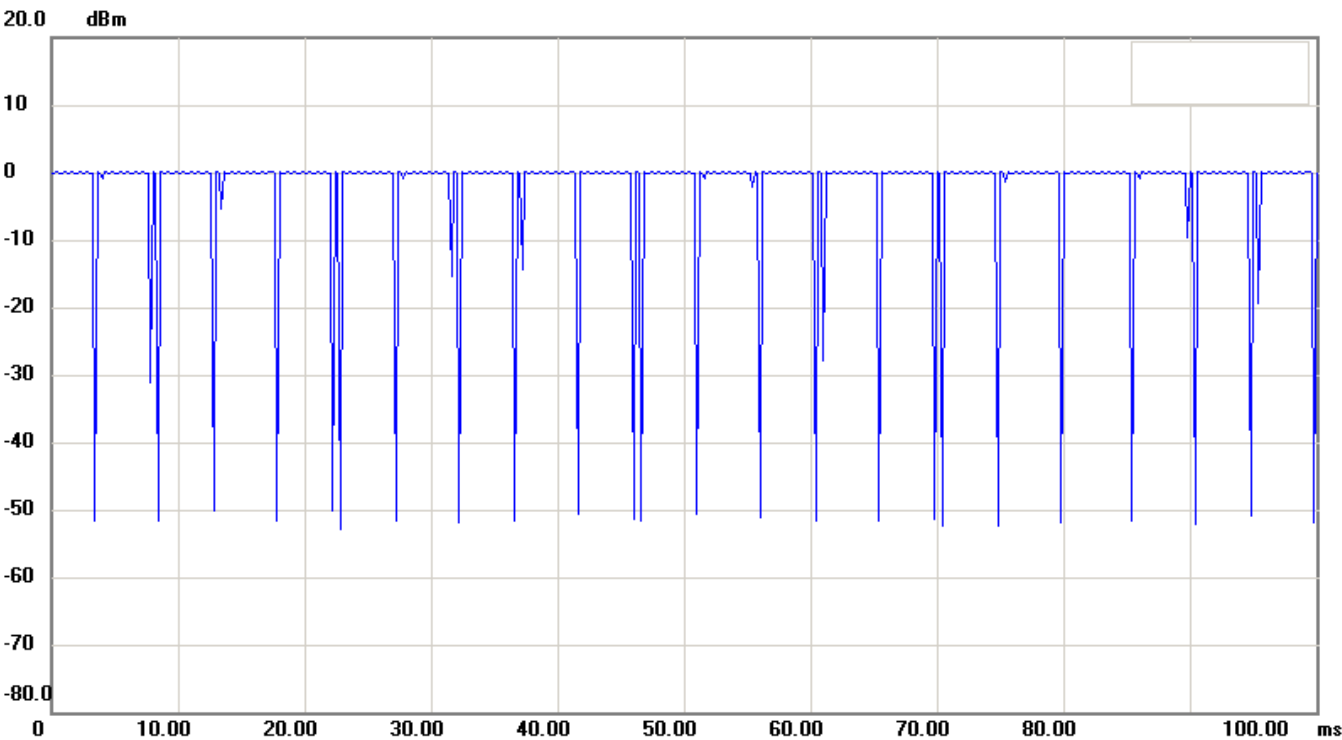
Att.: 20dB

VBW: 1000 KHz

Phillip

BLE_Module2
測試模式：Mode A

File: 20-07-MAS-052_BLE_1M_BT2 #15 Date: 2020/7/28 Temperature: 25 °C
Site: RF-Cond01 Humidity: 60 %



Condition:
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_BLE Duty Cycle-1

RF Conducted
Sweep Time: 100ms Att.: 20dB
RBW: 1000 KHz VBW: 1000 KHz
Operator: Phillip

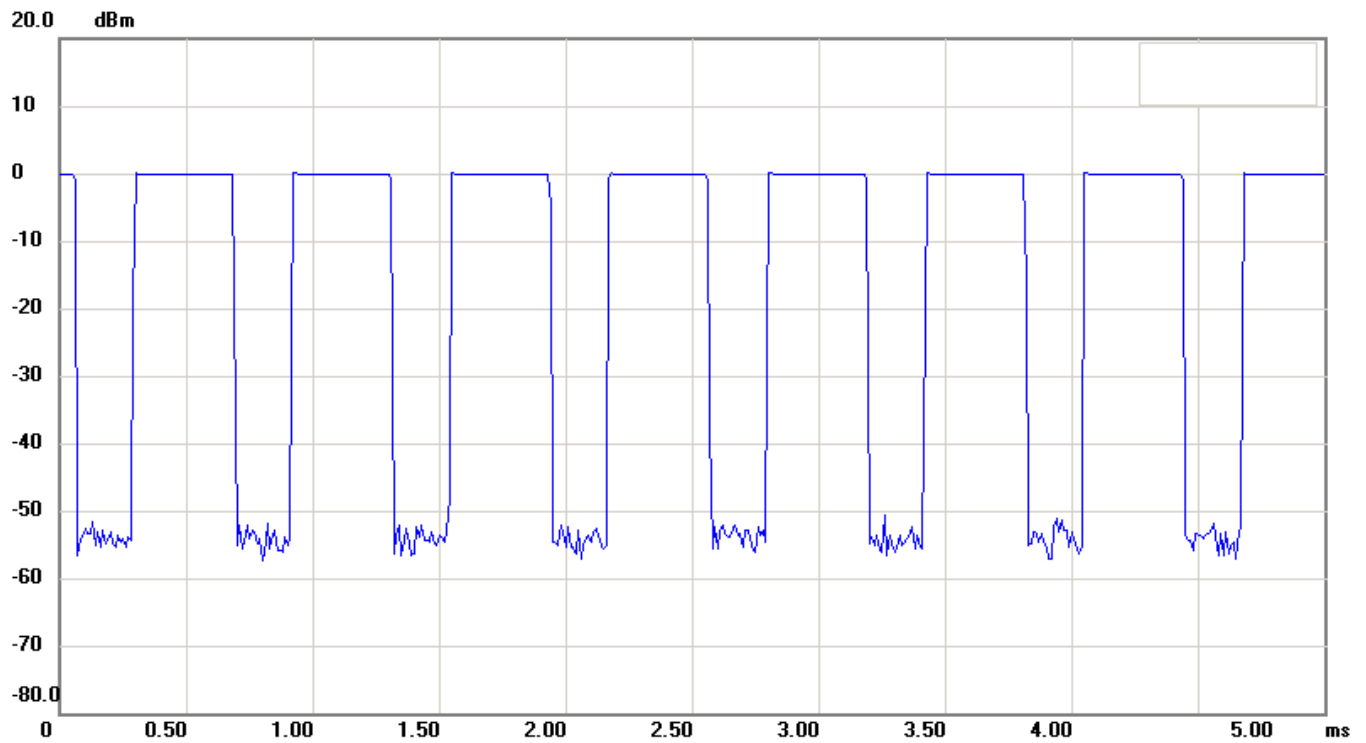
File: 20-07-MAS-052_BLE_1M_BT2
Site: RF-Cond01

#16

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_BLE Duty Cycle-2 (Duty = 66.7%)

RF Conducted

Sweep Time: 5ms Att.: 20dB

RBW: 1000 KHz

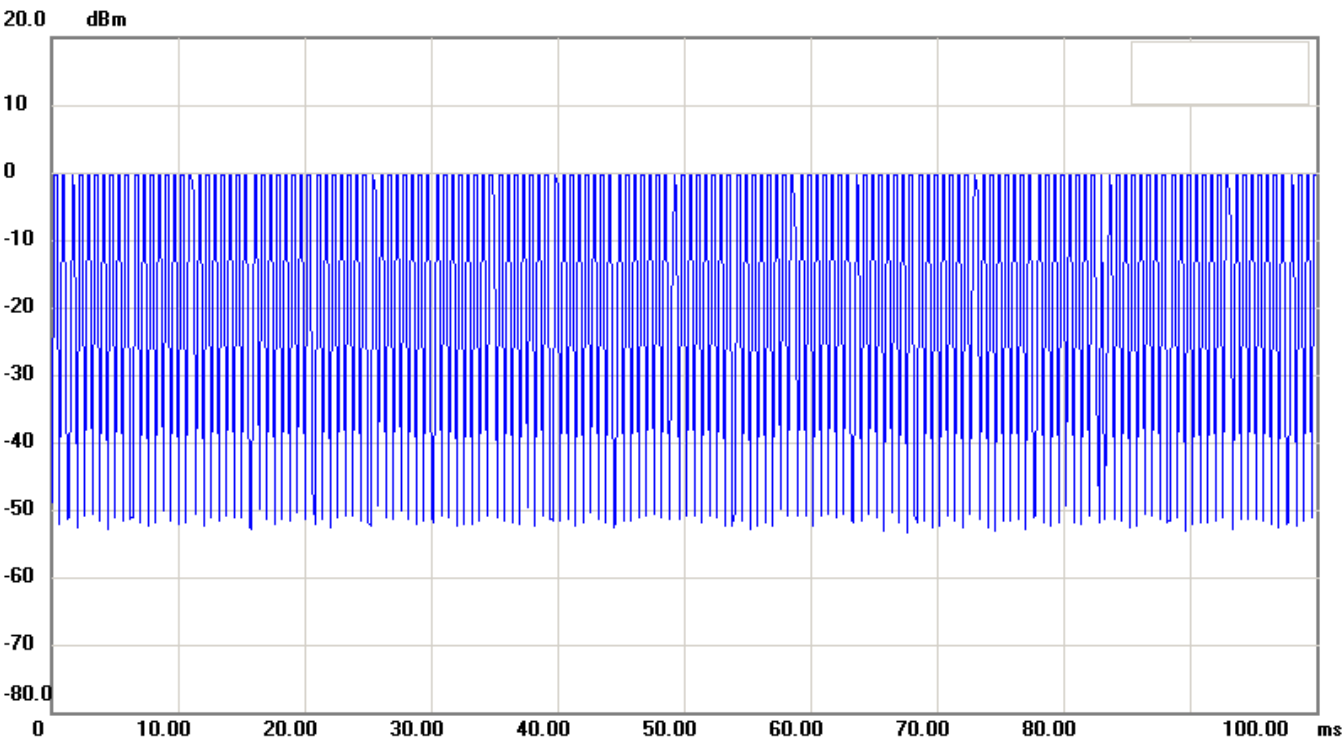
VBW: 1000 KHz

Operator:

Phillip

BLE_Module2
測試模式：Mode B

File: 20-07-MAS-052_BLE_2M_BT2 #15 Date: 2020/7/28 Temperature: 25 °C
Site: RF-Cond01 Humidity: 60 %



Condition:		RF Conducted
EUT:	PlayStation5 console (Wireless)	Sweep Time: 100ms Att.: 20dB
Model:	CFI-1018A	RBW: 1000 KHz VBW: 1000 KHz
Test Mode:	BLE_2M	Operator: Phillip
Note:	NCC_LP0002_BLE Duty Cycle-1	

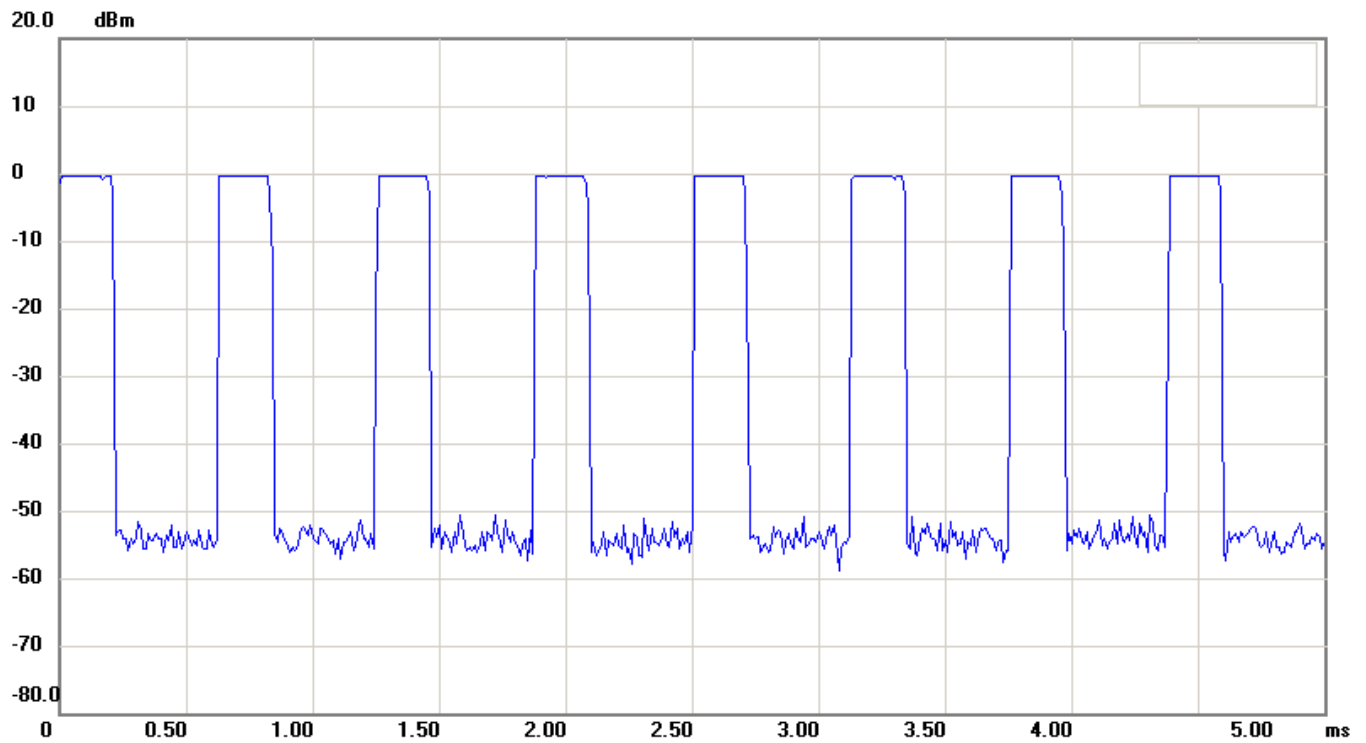
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#16

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_BLE Duty Cycle-2 (Duty = 37.1%)

RF Conducted

Sweep Time: 5ms Att.: 20dB

RBW: 1000 KHz

VBW: 1000 KHz

Operator:

Phillip

4 電源線傳導干擾之量測

4.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範2.3節之要求。

4.2 測試方法

將待測物置於0.8米高的非金屬桌面，使其在工作狀態，待測物電源線接至電源線阻抗穩定網路上，從測試接收機記錄頻率由 0.15MHz 至 30MHz 之間之電源線傳導干擾強度。

4.3 量測電源線傳導干擾之儀器

儀器名稱	廠 牌	型 號
EMI Test Receiver	R&S	ESCI
V-LISN	R&S	ENV216

測試軟體: EZ-EMC (Ver. ETC-03A1)

4.4 傳導干擾之量測結果

測試工程師: 羅世勇

4.4.1 測試狀態: BLE_Module1

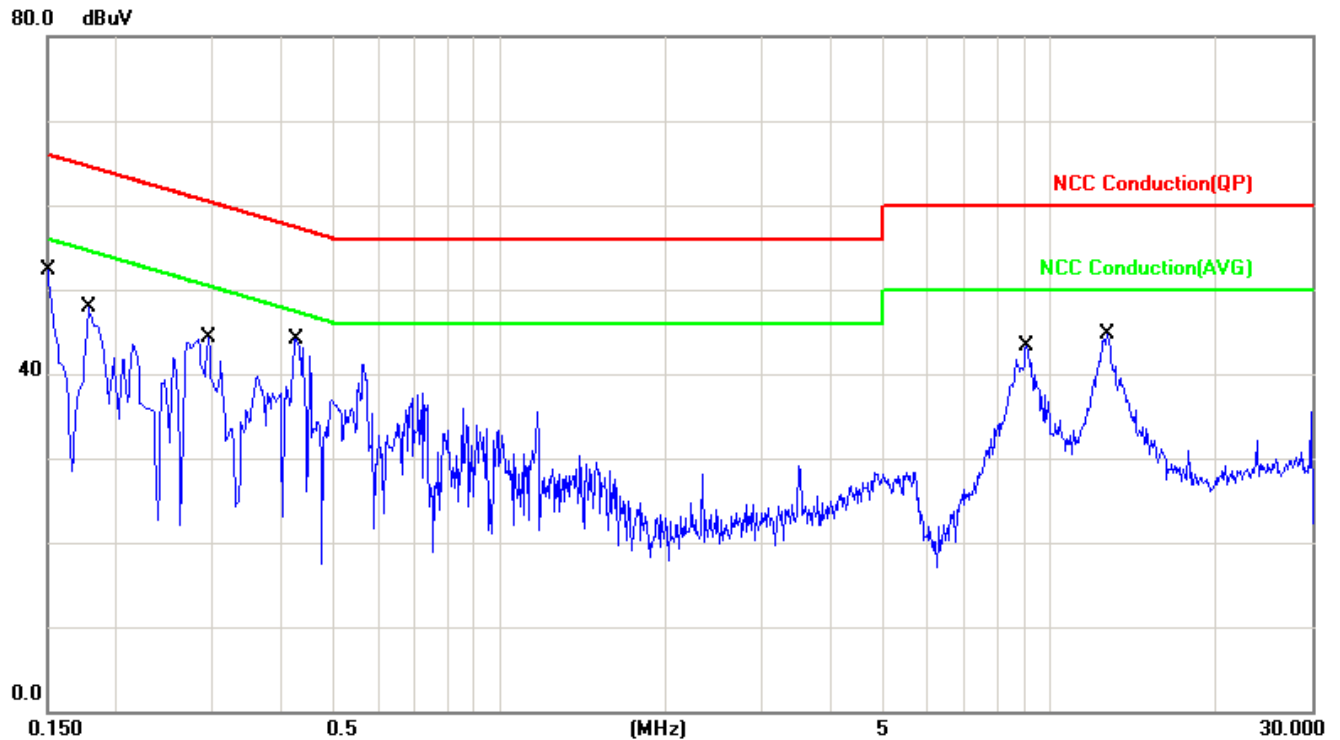
File: 20-07-MAS-052 #13

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:49:49

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: BLE_Module1
 Note:

Phase: L1
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	42.64	QP	9.65	52.29	66.00	-13.71
2	0.178	38.23	QP	9.64	47.87	64.58	-16.71
3	0.294	34.72	QP	9.64	44.36	60.41	-16.05
*4	0.426	34.46	QP	9.65	44.11	57.33	-13.22
5	9.102	33.40	QP	9.81	43.21	60.00	-16.79
6	12.762	34.84	QP	9.85	44.69	60.00	-15.31

- 註： 1. “----“表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#“表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

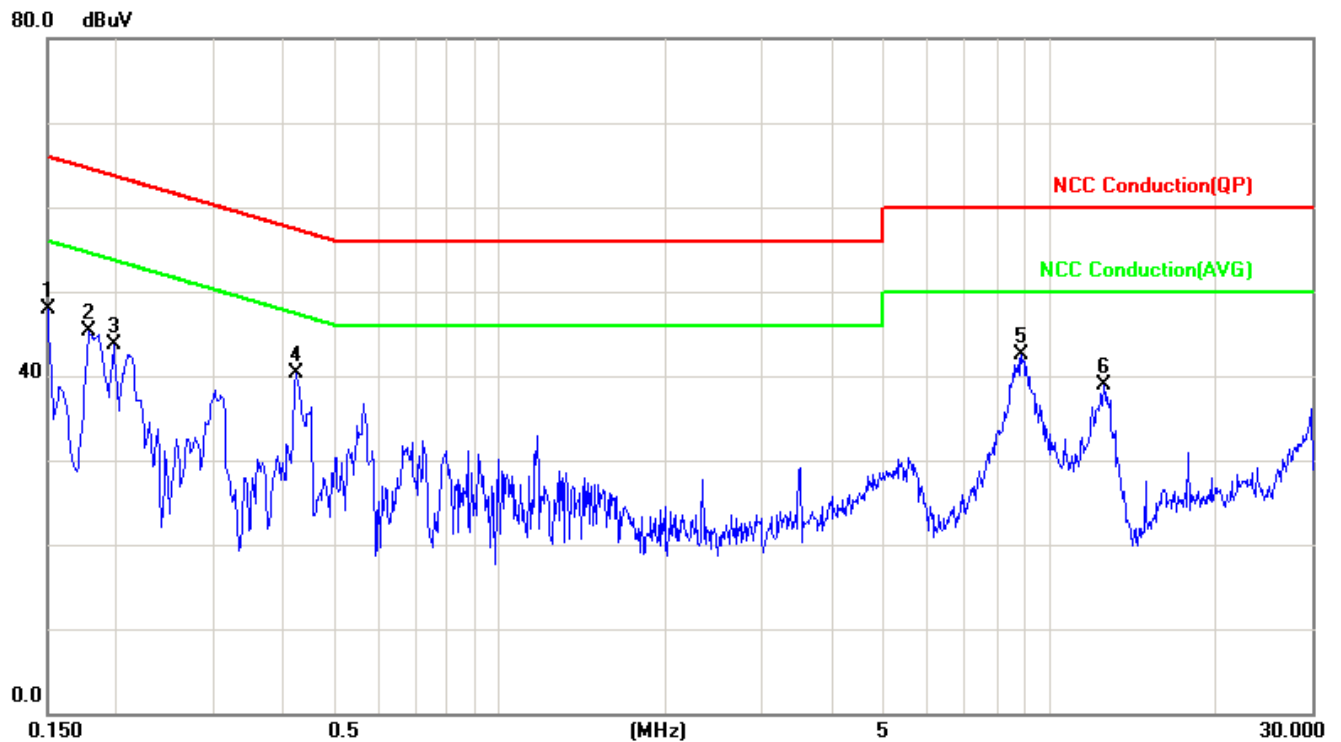
File: 20-07-MAS-052 #14

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:51:02

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: BLE_Module1
 Note:

Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	38.27	peak	9.59	47.86	66.00	-18.14
2	0.178	35.80	peak	9.58	45.38	64.58	-19.20
3	0.198	34.10	peak	9.58	43.68	63.69	-20.01
*4	0.426	30.64	peak	9.59	40.23	57.33	-17.10
5	8.890	32.81	peak	9.78	42.59	60.00	-17.41
6	12.522	29.08	peak	9.85	38.93	60.00	-21.07

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.4.2 測試狀態: BLE_Module2

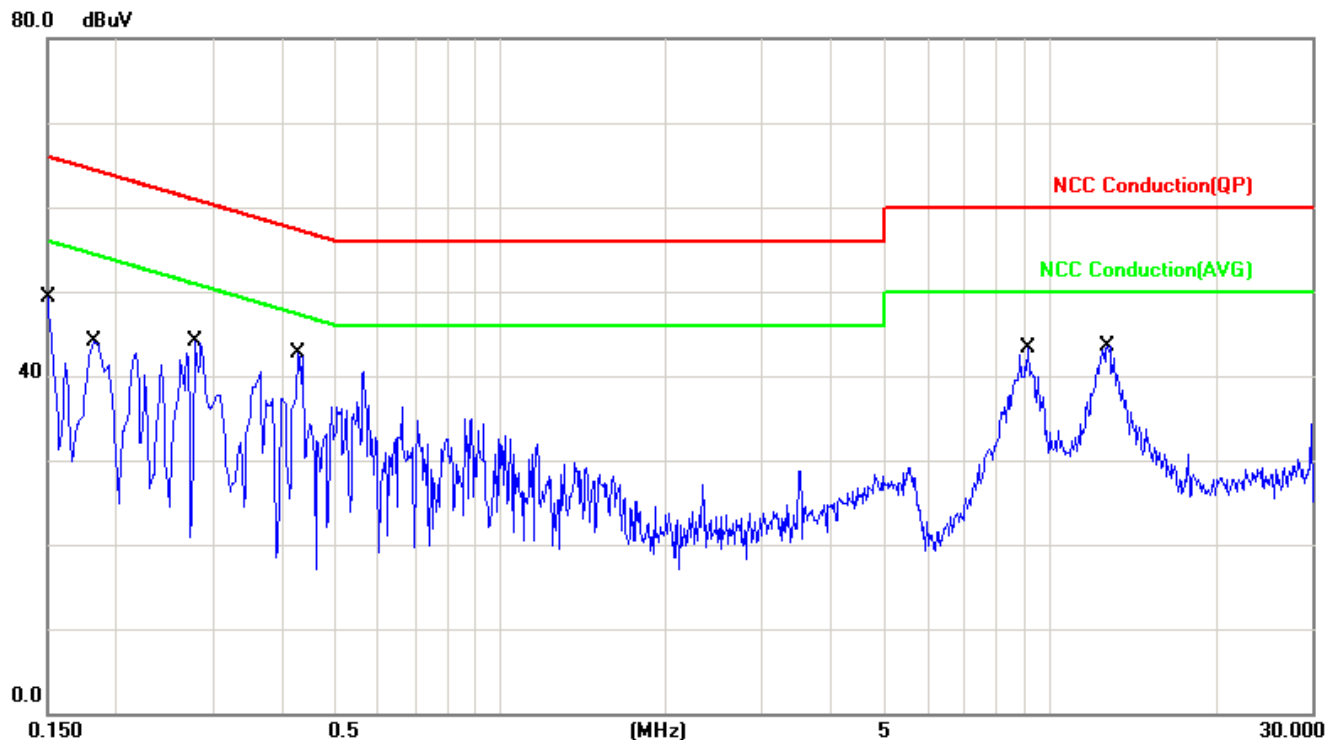
File: 20-07-MAS-052 #17

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:55:39

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: BLE_Module2
 Note:

Phase: L1
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	39.69	QP	9.65	49.34	66.00	-16.66
2	0.182	34.36	QP	9.64	44.00	64.39	-20.39
3	0.278	34.54	QP	9.64	44.18	60.88	-16.70
*4	0.430	32.99	QP	9.65	42.64	57.25	-14.61
5	9.138	33.40	QP	9.81	43.21	60.00	-16.79
6	12.774	33.65	QP	9.85	43.50	60.00	-16.50

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

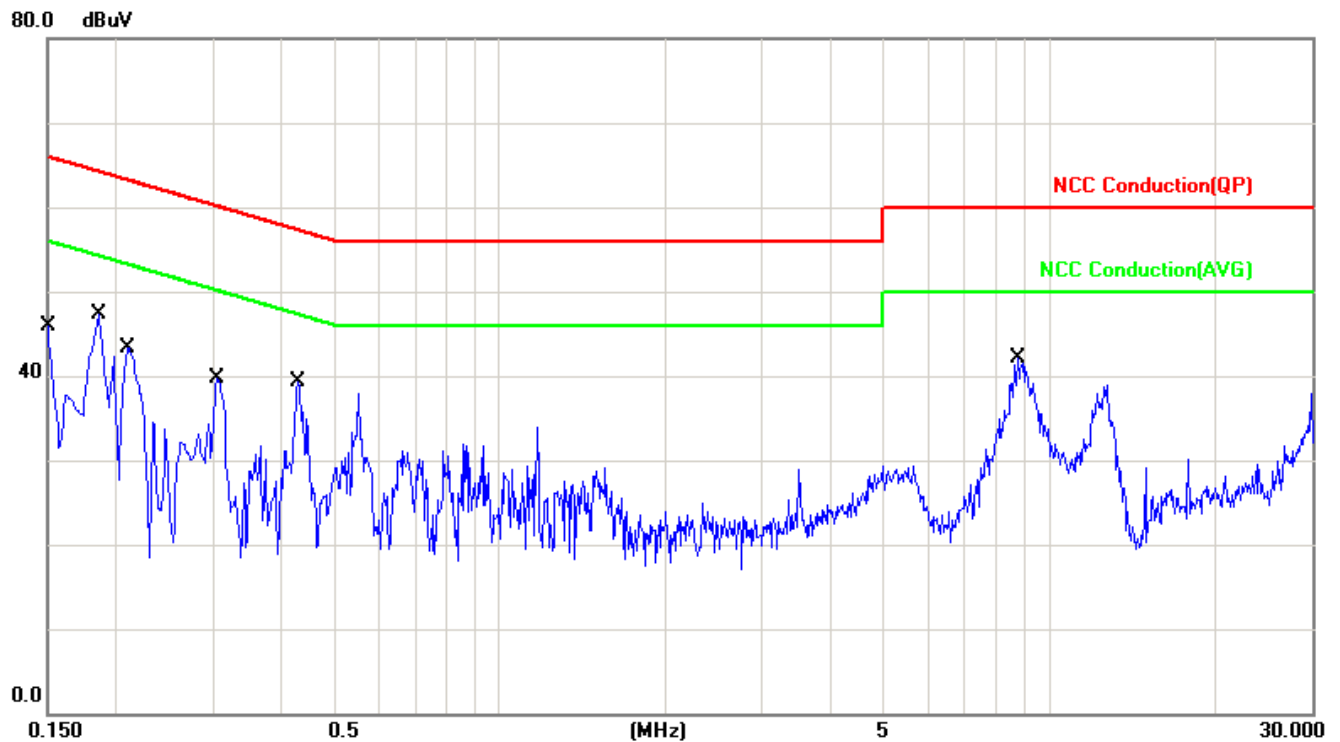
File: 20-07-MAS-052 #18

Date: 2020/8/22

Temperature: 25 °C

Time: 上午 09:56:36

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: BLE_Module2
 Note:

Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
1	0.150	36.30	QP	9.59	45.89	66.00	-20.11
*2	0.186	37.81	QP	9.58	47.39	64.21	-16.82
3	0.210	33.78	QP	9.58	43.36	63.21	-19.85
4	0.306	30.04	QP	9.58	39.62	60.08	-20.46
5	0.430	29.63	QP	9.59	39.22	57.25	-18.03
6	8.758	32.42	QP	9.77	42.19	60.00	-17.81

- 註： 1. “----“表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#“表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.4.3 測試狀態: BD Playing+BT+LAN+USB Cable 1

File: 20-07-MAS-052

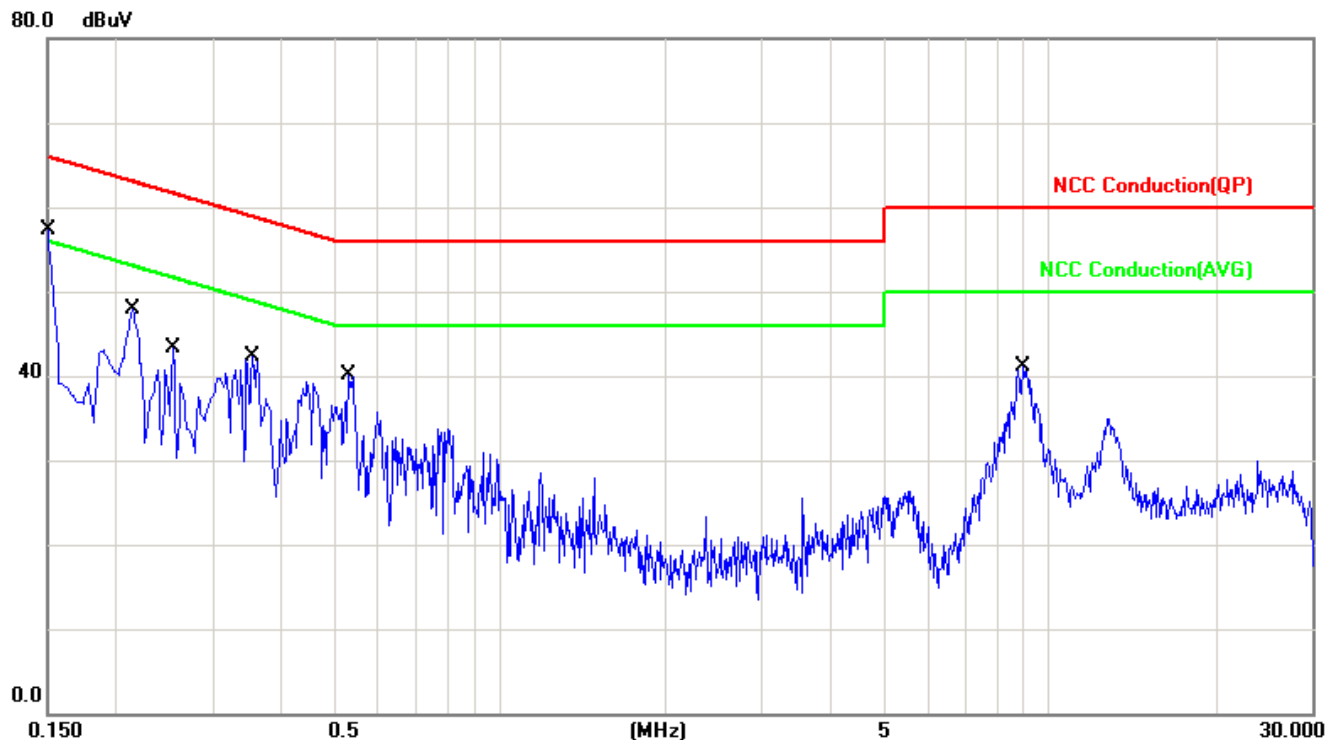
#26

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:21:35

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal1
 Note: BD Playing+BT+LAN+USB Cable 1

Phase: L1
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	45.85	QP	9.65	55.50	66.00	-10.50
2	0.150	34.99	AVG	9.65	44.64	56.00	-11.36
3	0.214	38.22	QP	9.64	47.86	63.05	-15.19
4	0.254	33.72	QP	9.64	43.36	61.63	-18.27
5	0.354	32.73	QP	9.65	42.38	58.87	-16.49
6	0.530	30.51	QP	9.65	40.16	56.00	-15.84
7	8.962	31.19	QP	9.81	41.00	60.00	-19.00

- 註： 1. “---”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

File: 20-07-MAS-052

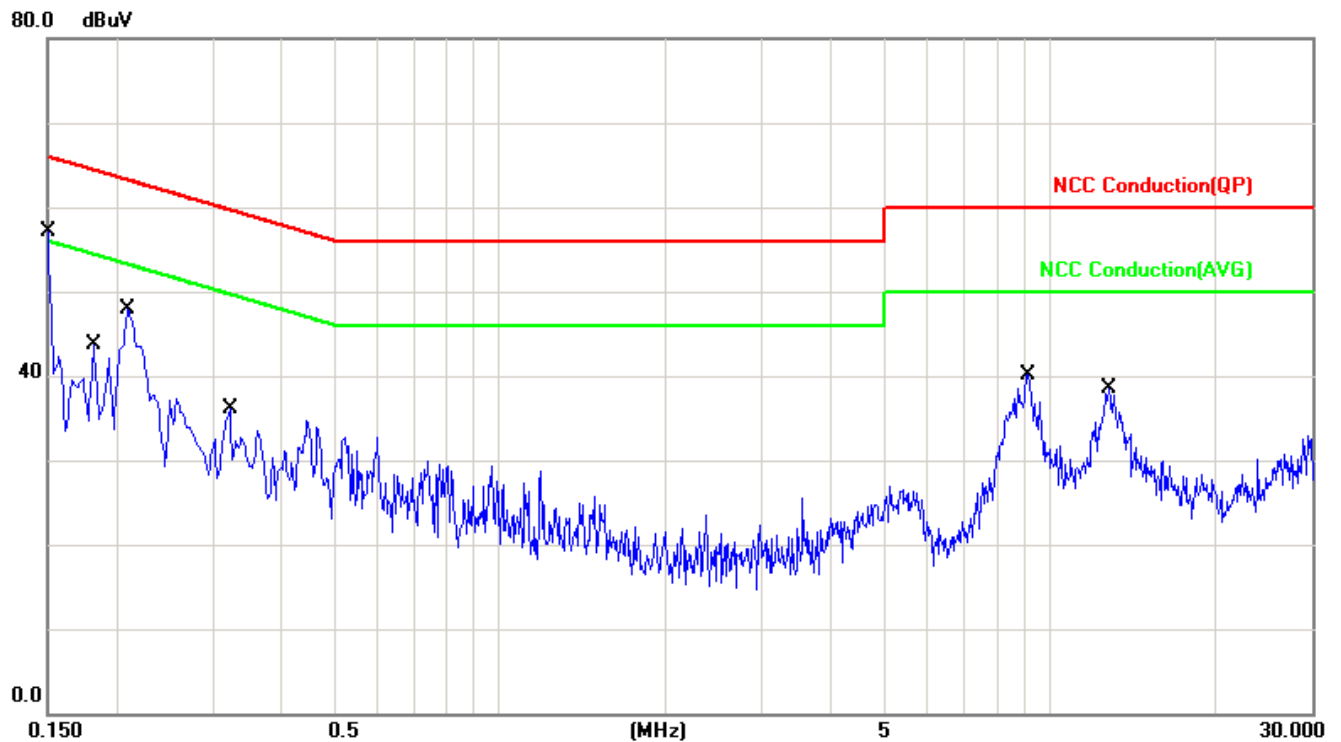
#25

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:20:11

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal1
 Note: BD Playing+BT+LAN+USB Cable 1

Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	47.98	QP	9.59	57.57	66.00	-8.43
2	0.150	35.57	AVG	9.59	45.16	56.00	-10.84
3	0.182	34.21	QP	9.58	43.79	64.39	-20.60
4	0.210	38.42	QP	9.58	48.00	63.21	-15.21
5	0.322	26.57	QP	9.58	36.15	59.66	-23.51
6	9.122	30.29	QP	9.78	40.07	60.00	-19.93
7	12.810	28.69	QP	9.85	38.54	60.00	-21.46

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.4.4 測試狀態: Game+BT+WiFi+USB Cable 2

File: 20-07-MAS-052

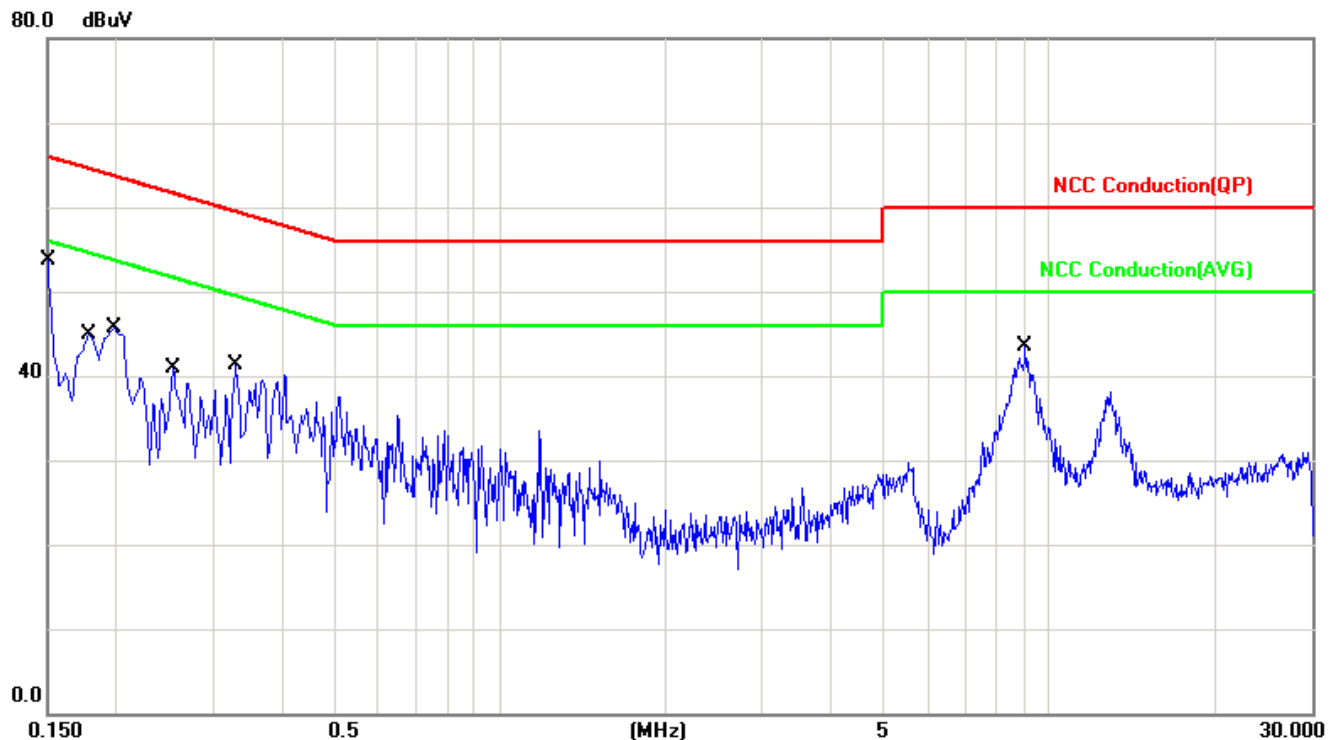
#27

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:27:15

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal2
 Note: Game+BT+WiFi+USB Cable 2

Phase: L1
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	43.99	QP	9.65	53.64	66.00	-12.36
2	0.178	35.30	QP	9.64	44.94	64.58	-19.64
3	0.198	36.14	QP	9.64	45.78	63.69	-17.91
4	0.254	31.25	QP	9.64	40.89	61.63	-20.74
5	0.330	31.66	QP	9.64	41.30	59.45	-18.15
6	9.026	33.59	QP	9.81	43.40	60.00	-16.60

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

File: 20-07-MAS-052

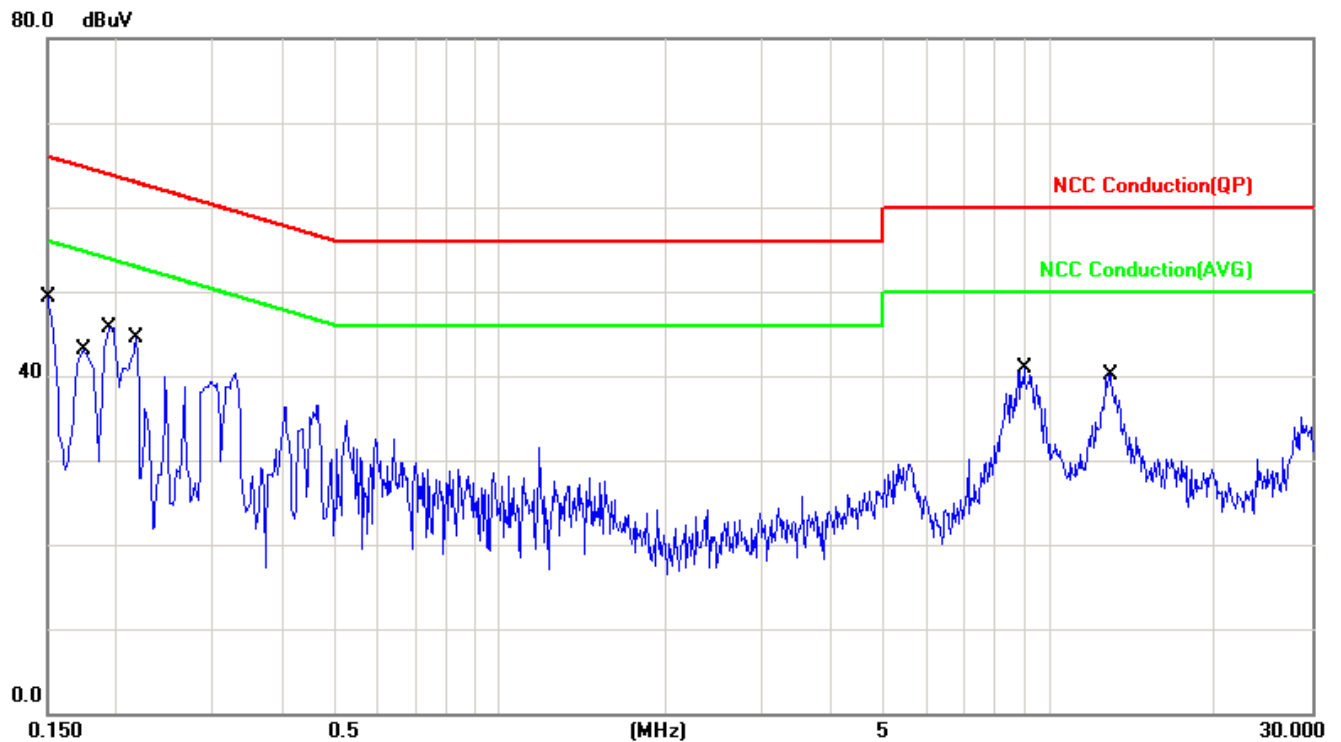
#28

Date: 2020/8/22

Temperature: 25 °C

Time: 下午 02:28:19

Humidity: 50 %



Site: CE04-10M 2F
 Condition: NCC Conduction(QP)
 EUT: PlayStation5
 Model: CFI-1018A
 Test Mode: Normal2
 Note: Game+BT+WiFi+USB Cable 2

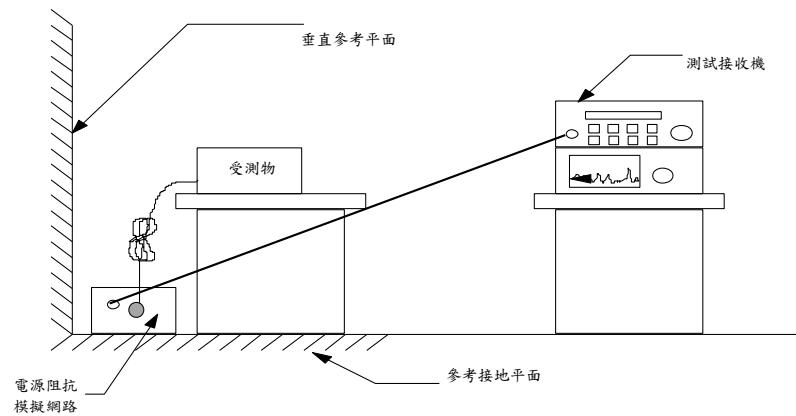
Phase: N
 Power: AC 110V/60Hz
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV)	Detector	Corrected (dB)	Result (dBuV)	Limit (dBuV)	Margin (dB)
*1	0.150	39.68	QP	9.59	49.27	66.00	-16.73
2	0.174	33.43	QP	9.59	43.02	64.77	-21.75
3	0.194	36.18	QP	9.58	45.76	63.86	-18.10
4	0.218	34.93	QP	9.58	44.51	62.89	-18.38
5	8.982	31.12	QP	9.78	40.90	60.00	-19.10
6	12.910	30.22	QP	9.85	40.07	60.00	-19.93

- 註： 1. “----”表示量測準峰值的結果符合平均值的限制值，則視為同時符合準峰值與平均值的限制值，不需再對其平均值進行量測。
 2. “#”表示干擾值太小，直接量取其峰值。
 3. 標記“****”表示為本地震盪頻率及其諧波。
 4. 量測不準確度: $\pm 2.5\text{dB}$ ($150\text{kHz} \leq f \leq 30\text{MHz}$)。

4.5 電源線傳導干擾之測試配置

圖 1



4.6 傳導量測之配置照片

請參考產品照片

5 天線增益之要求

5.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.3之規定，若發射天線之方向性增益超過6dBi時，除符合下列情形外，應依其所超過之dB數降低最大傳導輸出功率。

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.3節之(3)規定，除3.10.1.3節之(1)與(2)外，使用超過6dBi方向增益之發射天線時，應依照超過6 dBi天線方向性增益的dBi總量，等量減少最大傳導輸出功率限制值。

5.2 天線增益

此裝置內含兩個 Bluetooth module 使用相同的內接式天線，其天線資料如下：

廠牌：LUXSHARE-ICT 型號： L34RF057

Antenna Type	PIFA
Operation Frequency Range	2400~2480 MHz
Antenna Gain	5.8 dBi

(參照天線規格資料)

5.3 結果判定

天線之方向性增益低於 6 dBi，因此無需降低峰值輸出功率及功率密度之限制值。

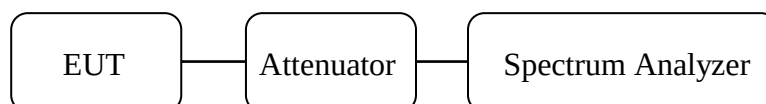
6 發射頻寬之要求

6.1 適用標準

對使用直接序列技術之低功率發射機，依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節之(2)(A)之規定，6dB頻寬至少應有500 kHz。

6.2 測試配置

圖 2：發射頻寬之測試配置



6.3 發射頻寬之量測儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

6.4 量測結果

測試工程師: 羅世勇

6.4.1 BLE_Module1

6.4.1.1 測試模式：Mode A

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度：56%

Channel	6dB Bandwidth (MHz)	NCC Limit (kHz)	Chart
L	0.72	500	Page 34
M	0.71	500	Page 35
H	0.71	500	Page 36

註：繪圖資料請參考第 34-36 頁。

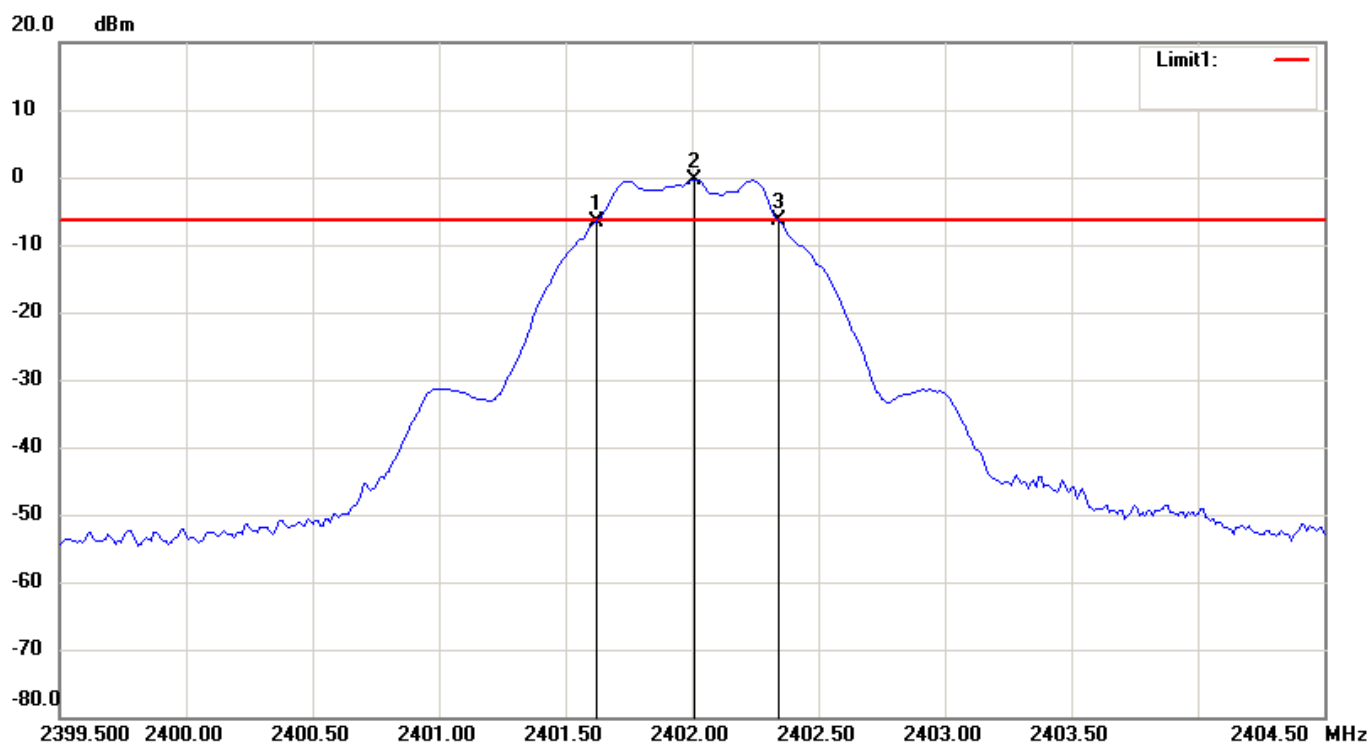
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#2

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -6.27dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel LOW-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.62000	-6.61
2	2402.01000	-0.27
3	2402.34000	-6.39

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	0.72	0.22

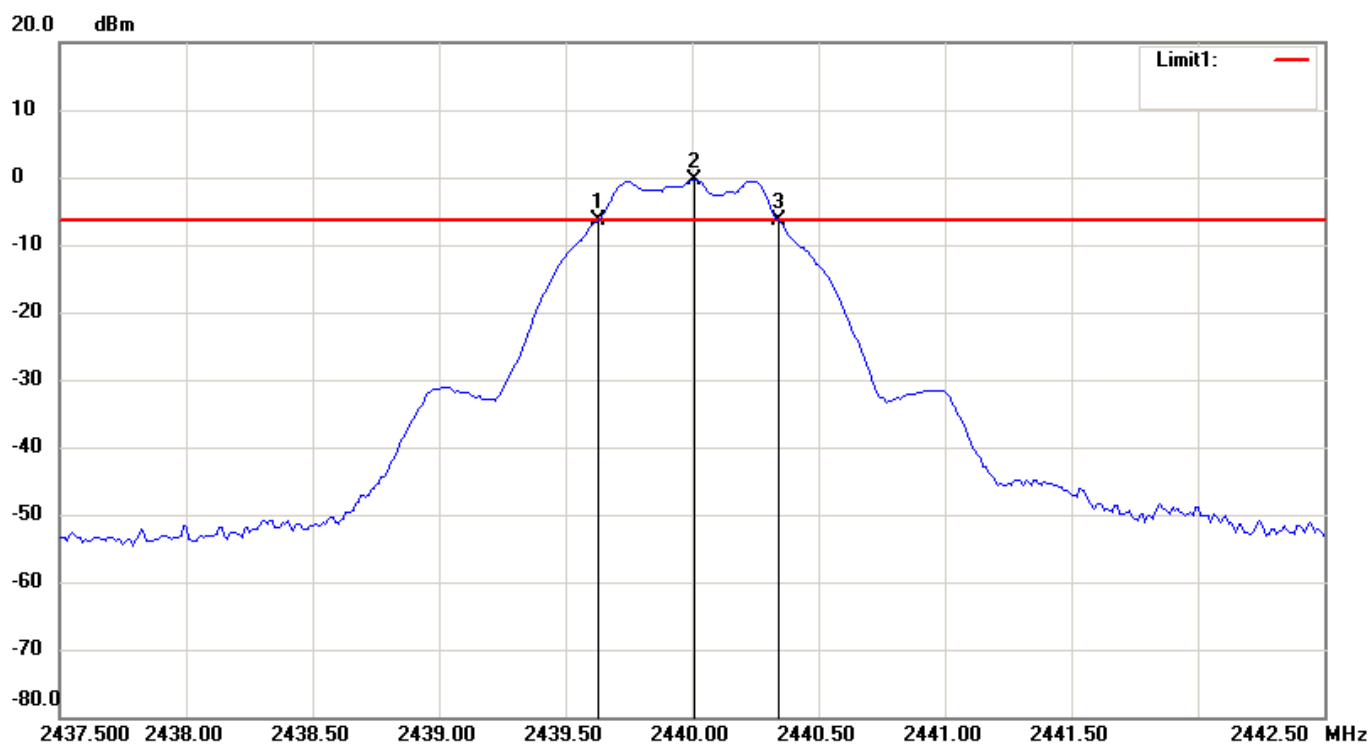
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#7

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -6.35dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel MID-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.63000	-6.39
2	2440.01000	-0.35
3	2440.34000	-6.43

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	0.71	-0.04

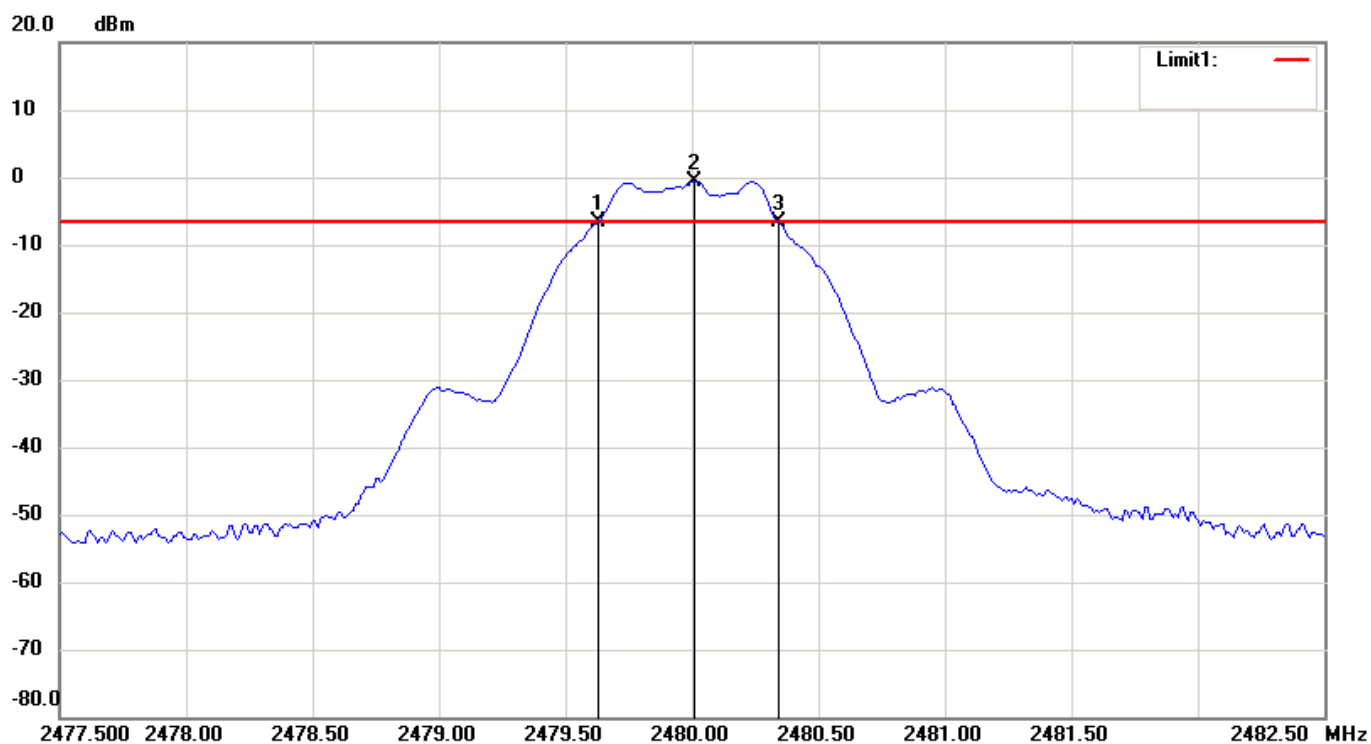
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#11

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -6.54dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel HIGH-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.63000	-6.57
2	2480.01000	-0.54
3	2480.34000	-6.71

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	0.71	-0.14

6.4.1.2 測試模式：Mode B

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度：56%

Channel	6dB Bandwidth (MHz)	NCC Limit (kHz)	Chart
L	1.19	500	Page 38
M	1.18	500	Page 39
H	1.2	500	Page 40

註：繪圖資料請參考第 38-40 頁。

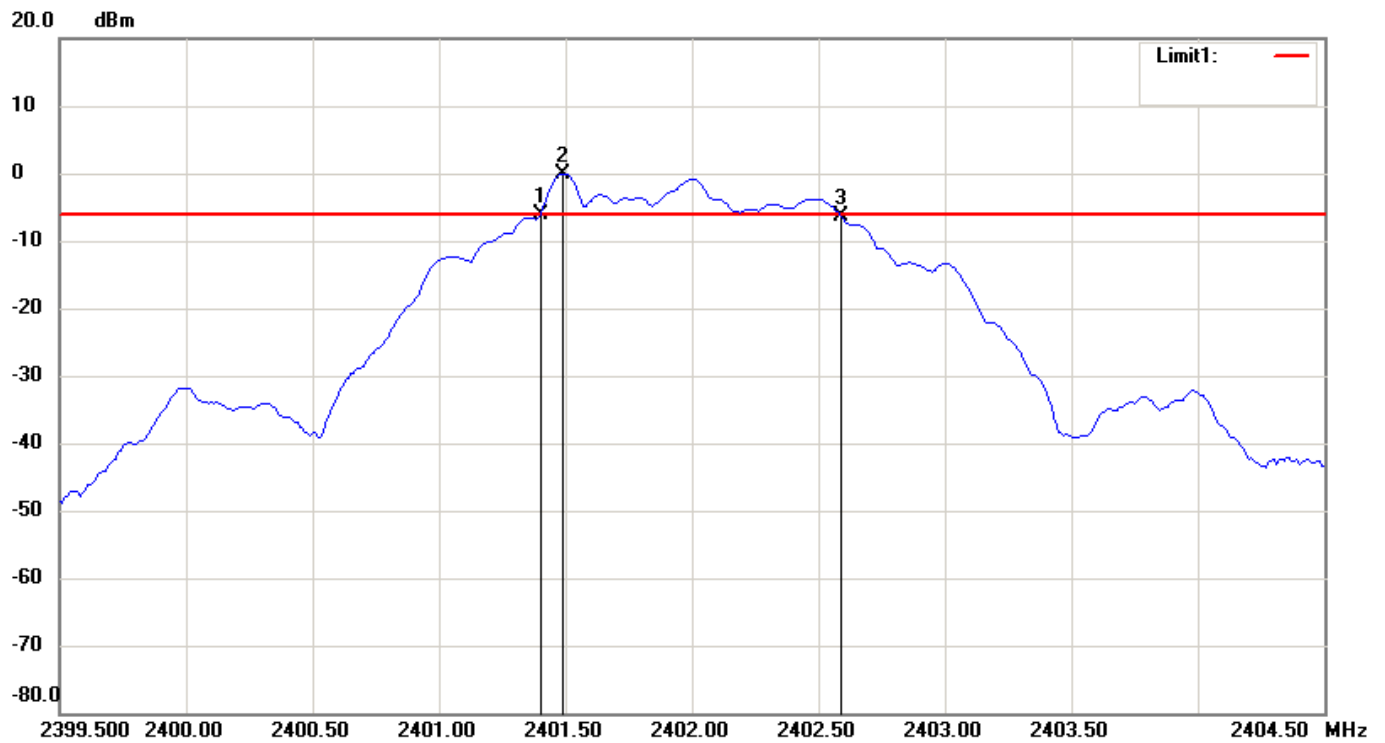
File: 20-07-MAS-052_BLE_2M_BT1
 Site: RF-Cond01

#2

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -6.02dBm
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M
 Note: NCC_LP0002_Channel LOW-6dB EBW

RF Conducted
 Sweep Time: 1ms Att.: 25dB
 RBW: 100 KHz VBW: 300 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.40000	-6.23
2	2401.49000	-0.02
3	2402.59000	-6.41

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	1.19	-0.18

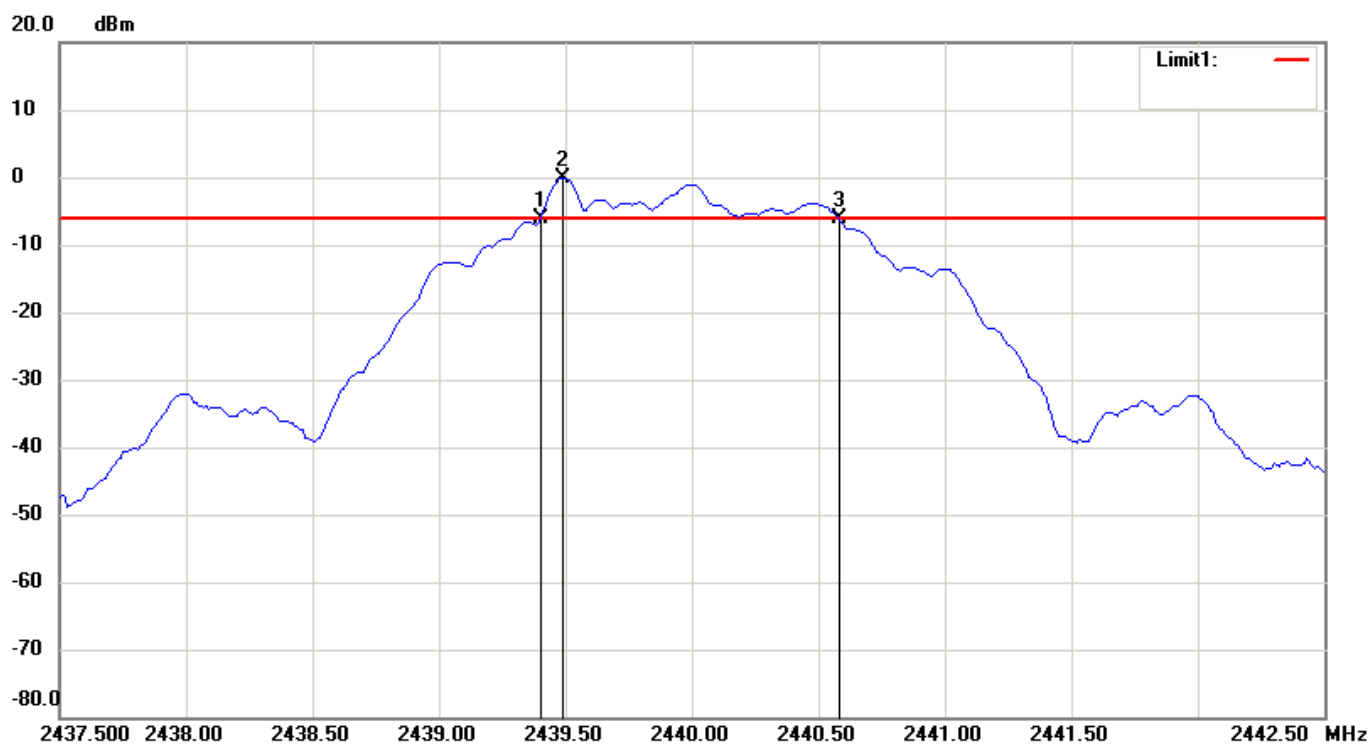
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#7

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -6.14dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel MID-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.40000	-6.19
2	2439.49000	-0.14
3	2440.58000	-6.14

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	1.18	0.05

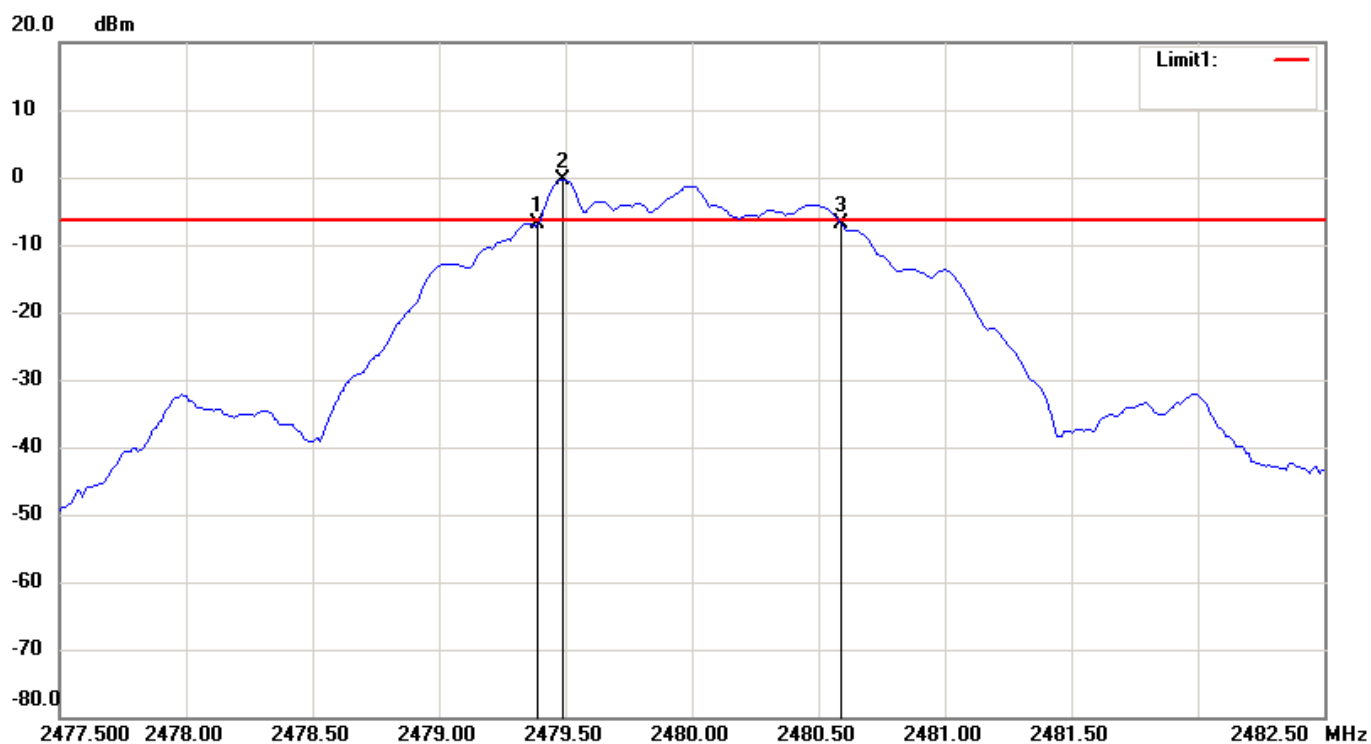
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#11

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -6.35dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel HIGH-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.39000	-6.97
2	2479.49000	-0.35
3	2480.59000	-6.89

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	1.2	0.08

6.4.2 BLE_Module2

6.4.2.1 測試模式：Mode C

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度：60%

Channel	6dB Bandwidth (MHz)	NCC Limit (kHz)	Chart
L	0.72	500	Page 42
M	0.72	500	Page 43
H	0.72	500	Page 44

註：繪圖資料請參考第 42-44 頁。

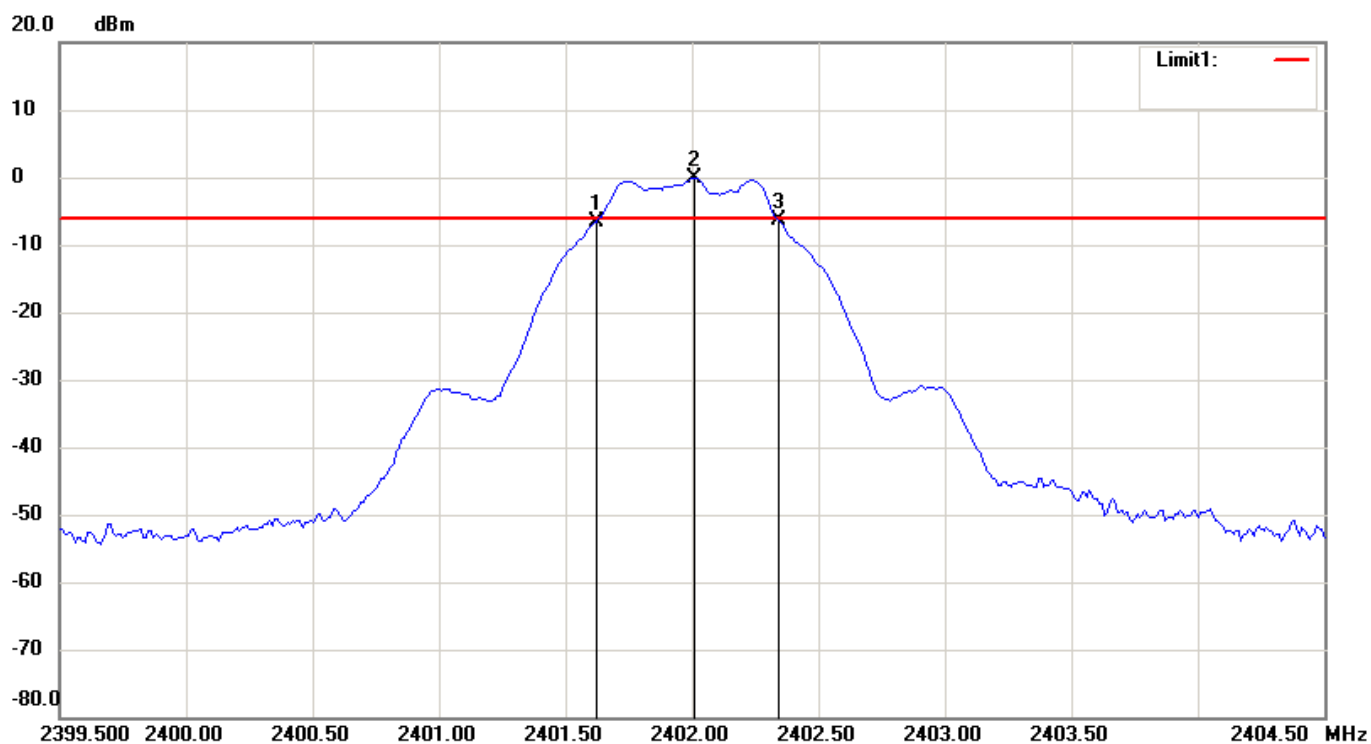
File: 20-07-MAS-052_BLE_1M_BT2
Site: RF-Cond01

#2

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -6.19dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel LOW-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.62000	-6.56
2	2402.01000	-0.19
3	2402.34000	-6.30

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	0.72	0.26

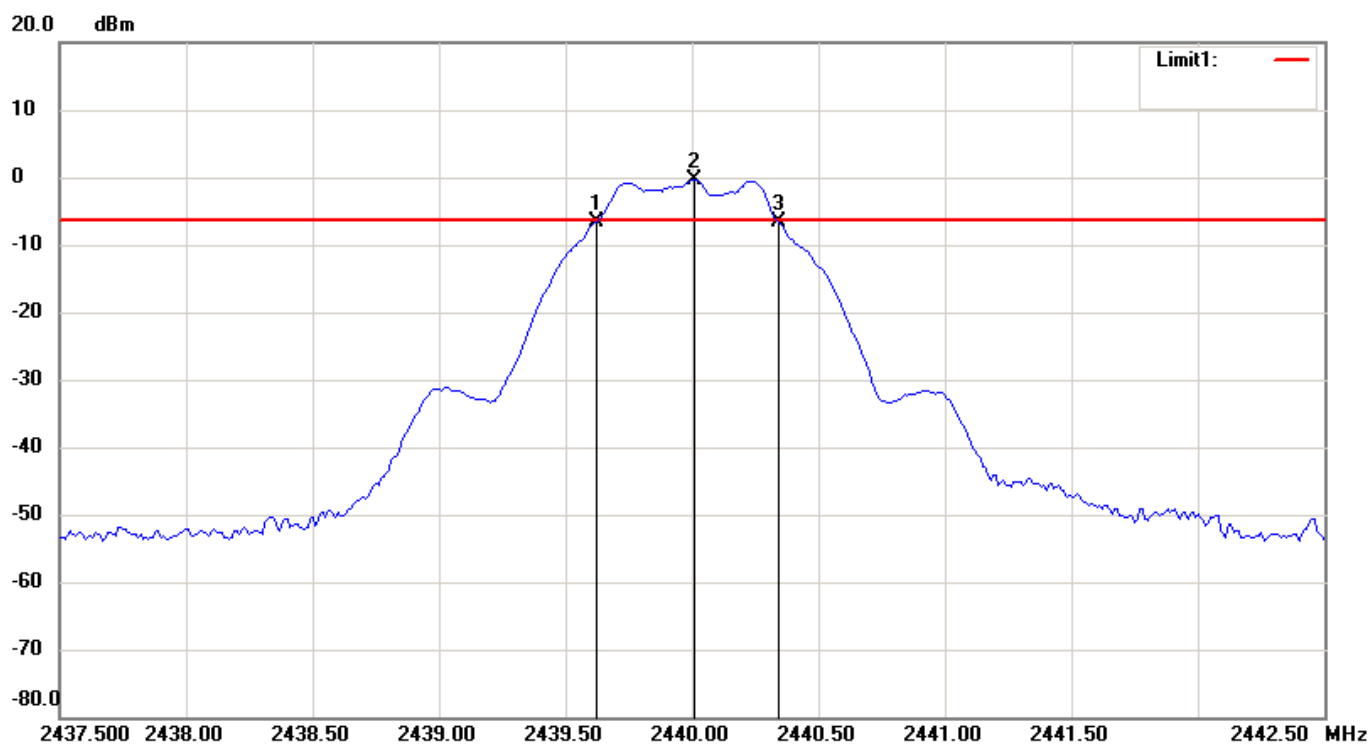
File: 20-07-MAS-052_BLE_1M_BT2
Site: RF-Cond01

#7

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -6.4dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel MID-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.62000	-6.72
2	2440.01000	-0.40
3	2440.34000	-6.52

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	0.72	0.2

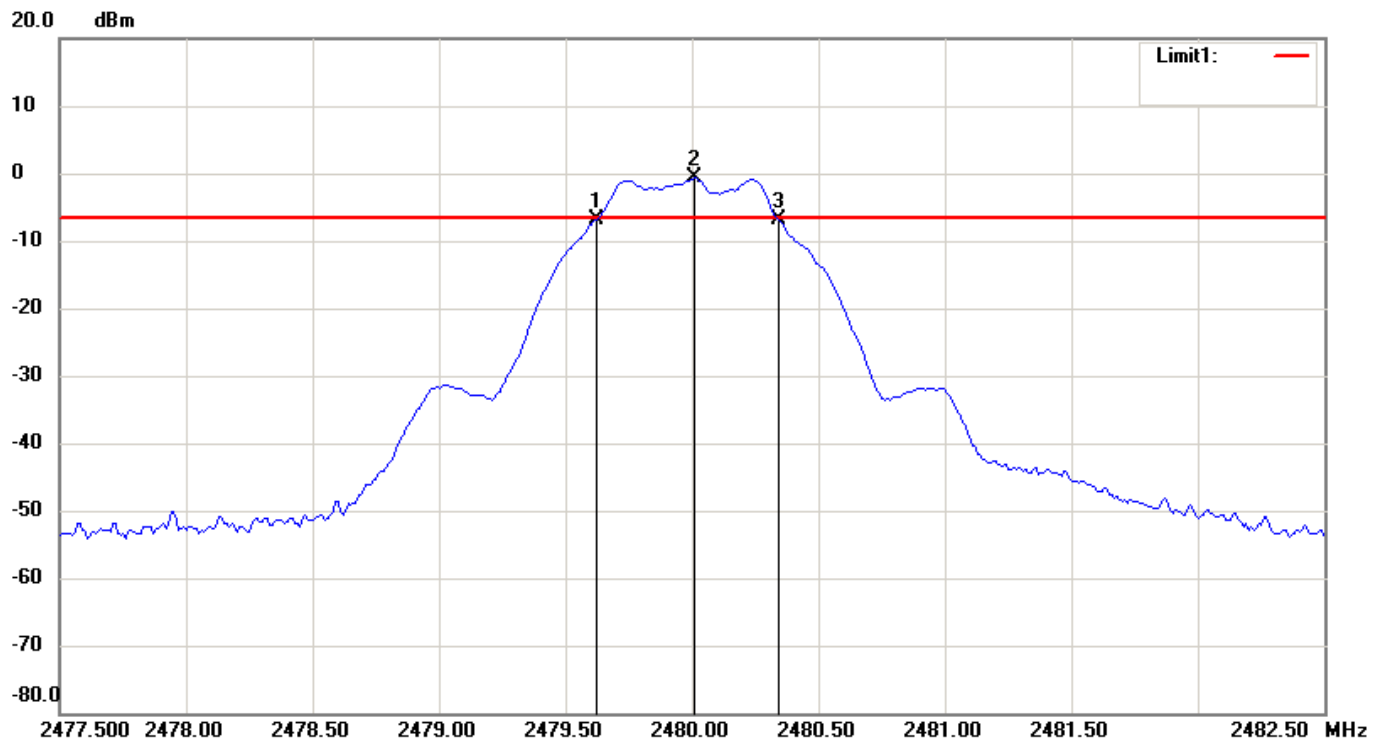
File: 20-07-MAS-052_BLE_1M_BT2
Site: RF-Cond01

#11

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -6.74dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel HIGH-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.62000	-6.93
2	2480.01000	-0.74
3	2480.34000	-6.83

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	0.72	0.1

6.4.2.2 測試模式：Mode D

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度：60%

Channel	6dB Bandwidth (MHz)	NCC Limit (kHz)	Chart
L	1.19	500	Page 46
M	1.19	500	Page 47
H	1.19	500	Page 48

註：繪圖資料請參考第 46-48 頁。

6.5 結果判定

高、中、低頻段的6dB頻寬皆大於500KHz。

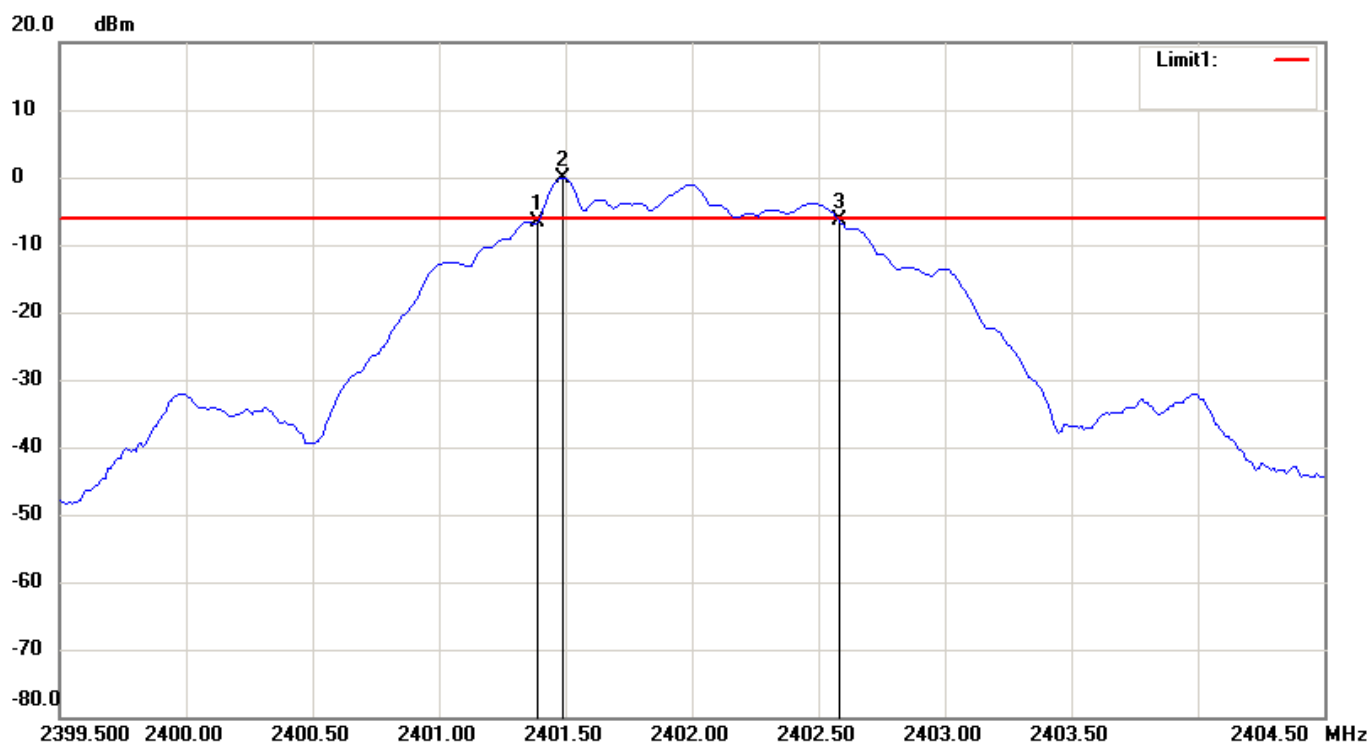
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#2

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -6.14dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel LOW-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.39000	-6.62
2	2401.49000	-0.14
3	2402.58000	-6.26

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	1.19	0.36

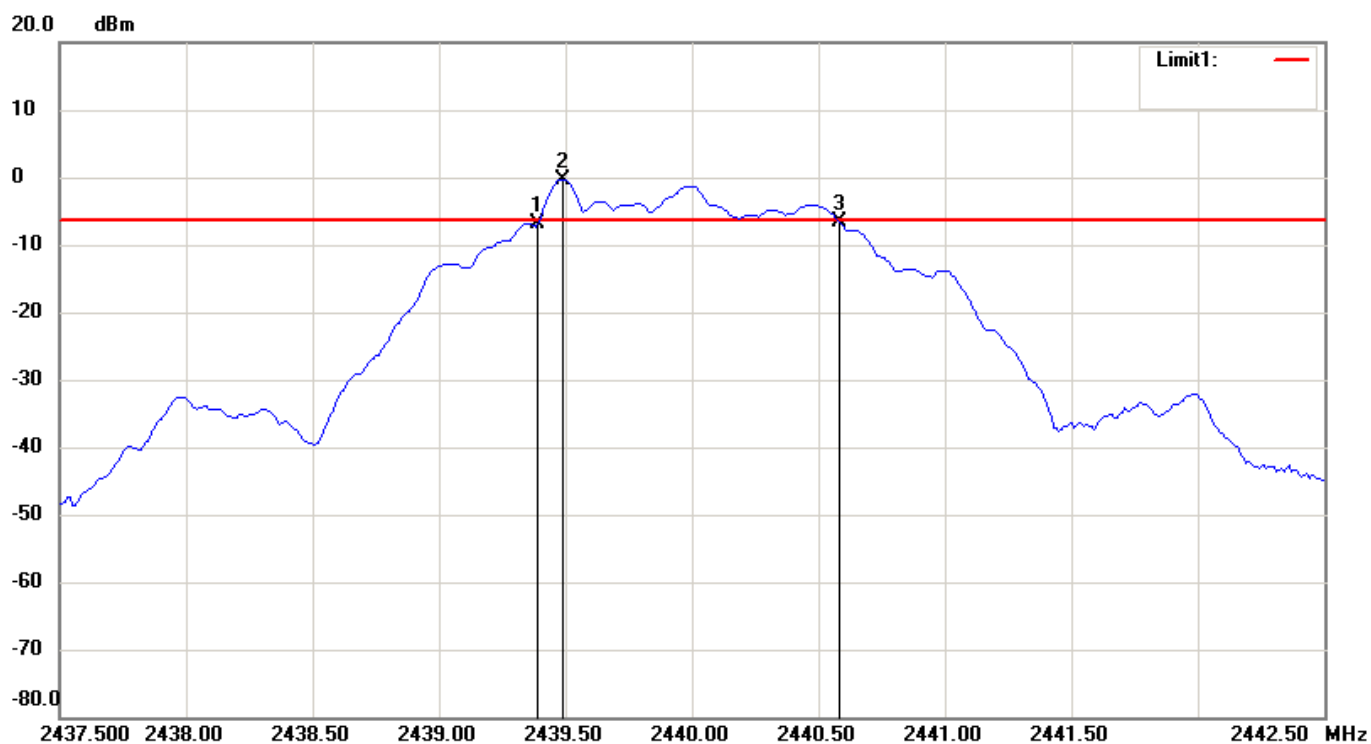
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#7

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -6.33dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel MID-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.39000	-6.91
2	2439.49000	-0.33
3	2440.58000	-6.51

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	1.19	0.4

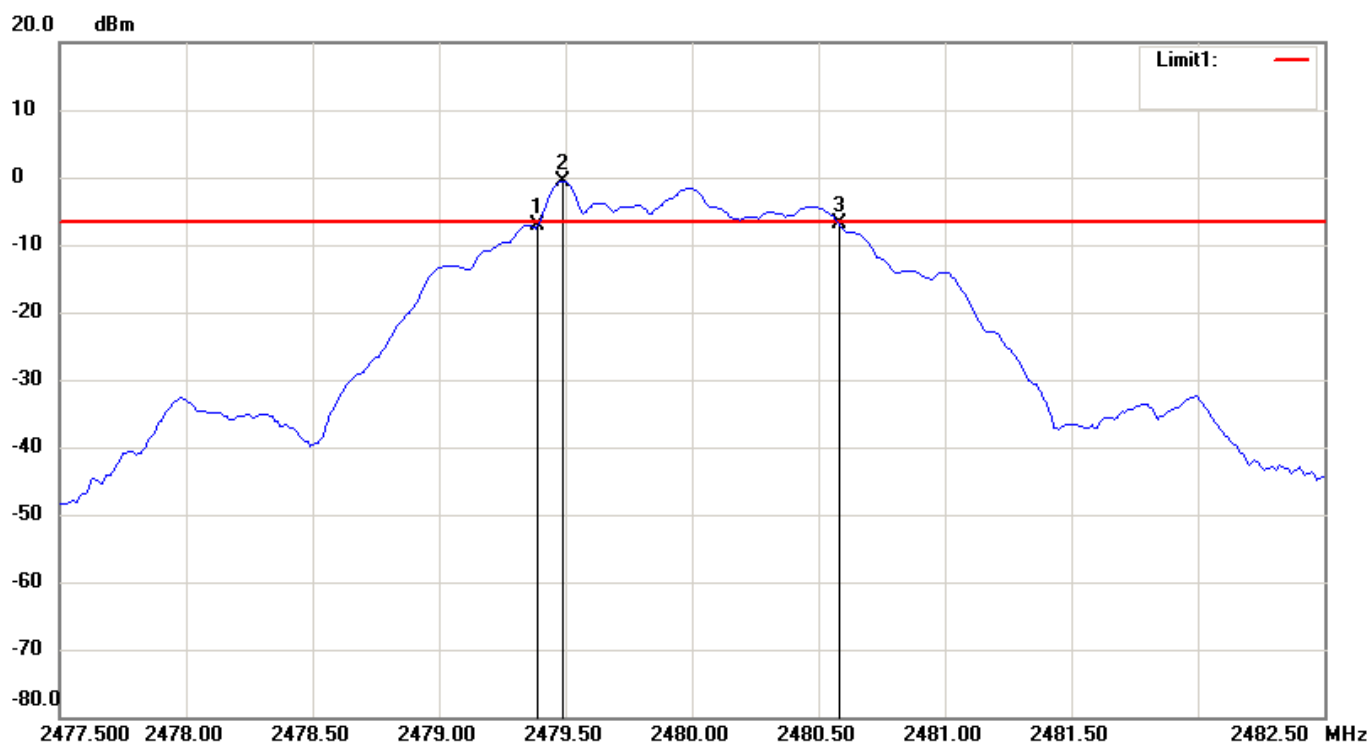
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#11

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -6.6dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel HIGH-6dB EBW

RF Conducted
Sweep Time: 1ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.39000	-7.15
2	2479.49000	-0.60
3	2480.58000	-6.79

No.		Δ Frequency(MHz)	Δ Level(dB)
1	mk3-mk1	1.19	0.36

7 峰值輸出功率之量測

7.1 峰值適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.2節之(1)(C)規定，操作於2400-2483.5兆赫(MHz)之所有數位調變技術系統:1瓦(W)(含)以下。

用於非於固定式點對點操作時，若其發射天線之方向性增益超過6dBi，應依所超過之dB數等量降低峰值輸出功率。如用於固定式點對點操作時，應符合下列情形之一：

操作於2400-2483.5兆赫(MHz)者，其發射天線之方向性增益超過6dBi，每超過3 dBi，最大傳導輸出功率限制值應降低1dB。

7.2 峰值輸出功率之測試配置

如圖 2 所示。

7.3 峰值輸出功率之量測儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

7.4 峰值輸出功率之量測結果

測試工程師: 羅世勇

7.4.1 BLE_Module1

7.4.1.1 測試模式：Mode A

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度：56%

Channel	Maximum Peak Output Power (dBm)	Maximum Peak Output Power (mW)	NCC Limit (mW)	Chart
L	0.46	1.11	1000	Page 51
M	0.38	1.09	1000	Page 52
H	0.23	1.05	1000	Page 53

註：1. 繪圖資料請參考第 51-53 頁。

2. 最大峰值輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。

3. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

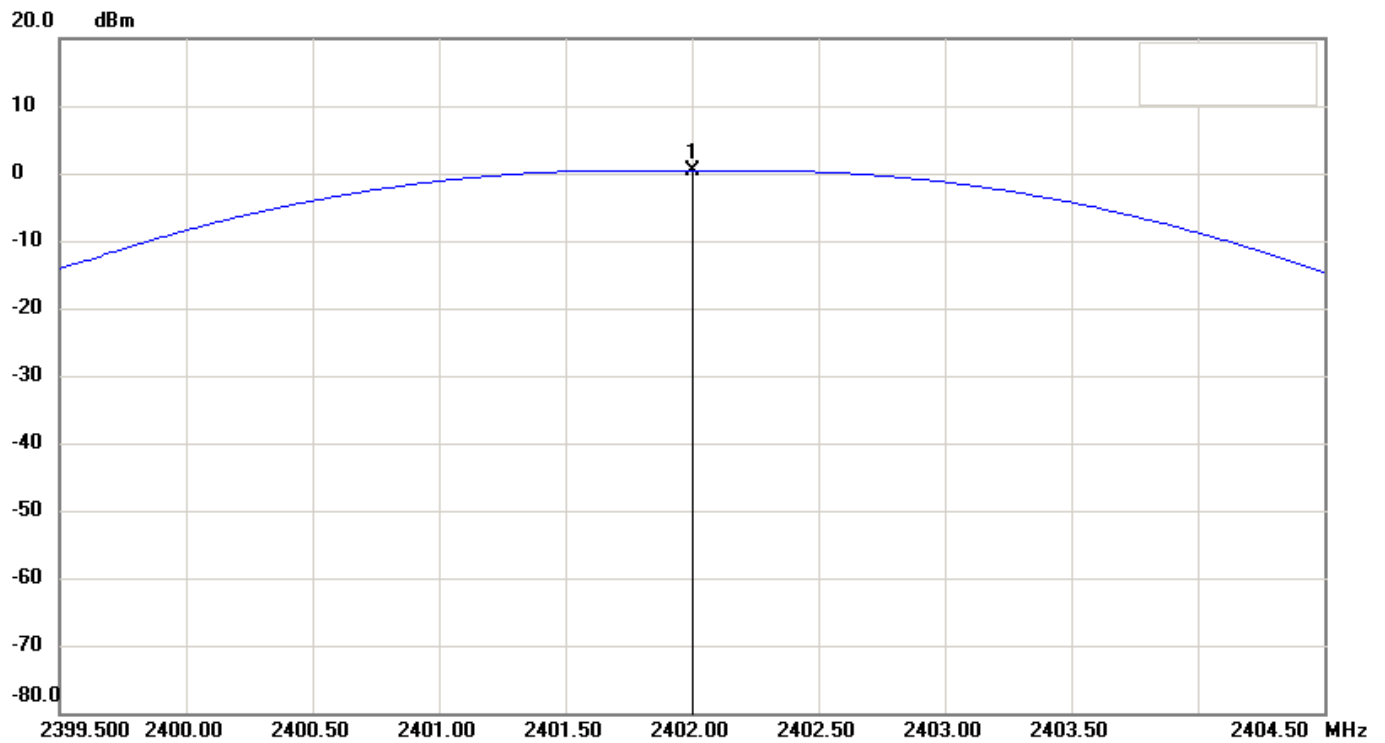
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#1

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_BLE CHL Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB

RBW: 2000 KHz VBW: 2000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2402.00000	0.46

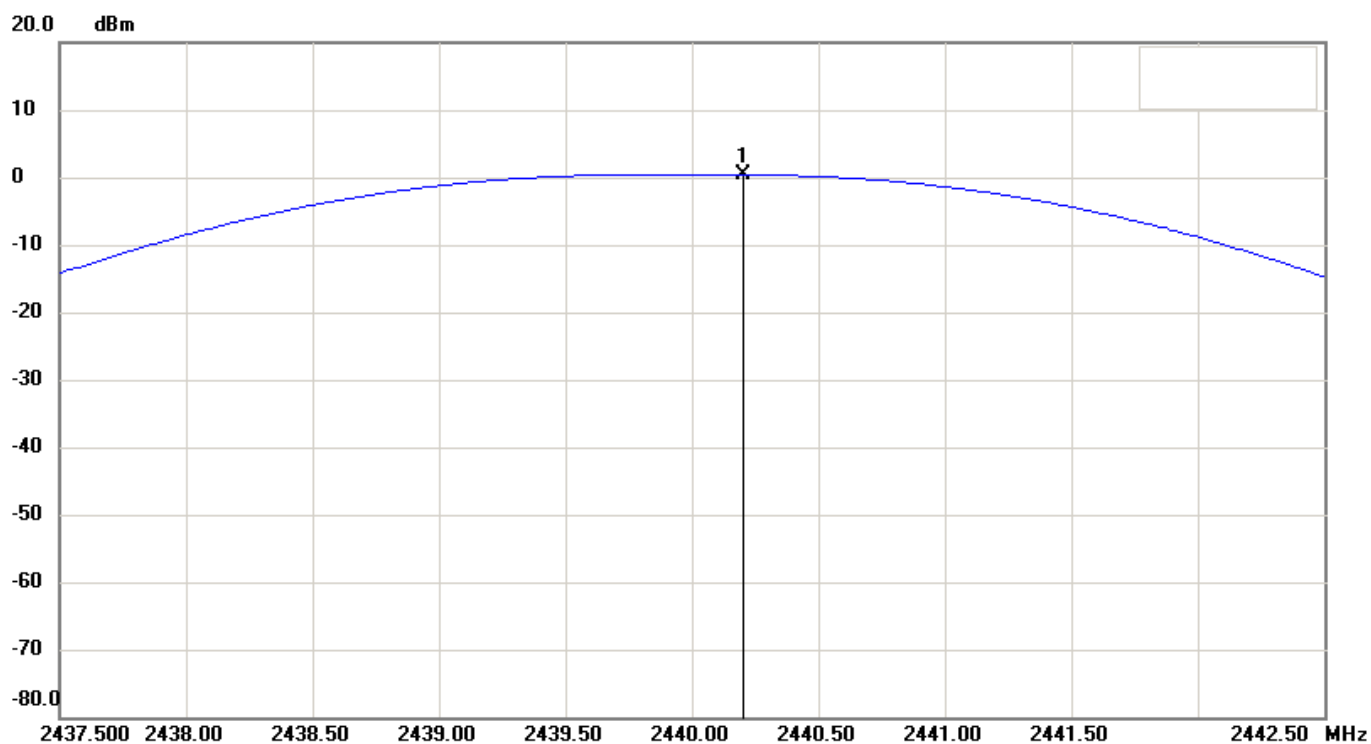
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#6

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_BLE CHM Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
RBW: 2000 KHz VBW: 2000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2440.20000	0.38

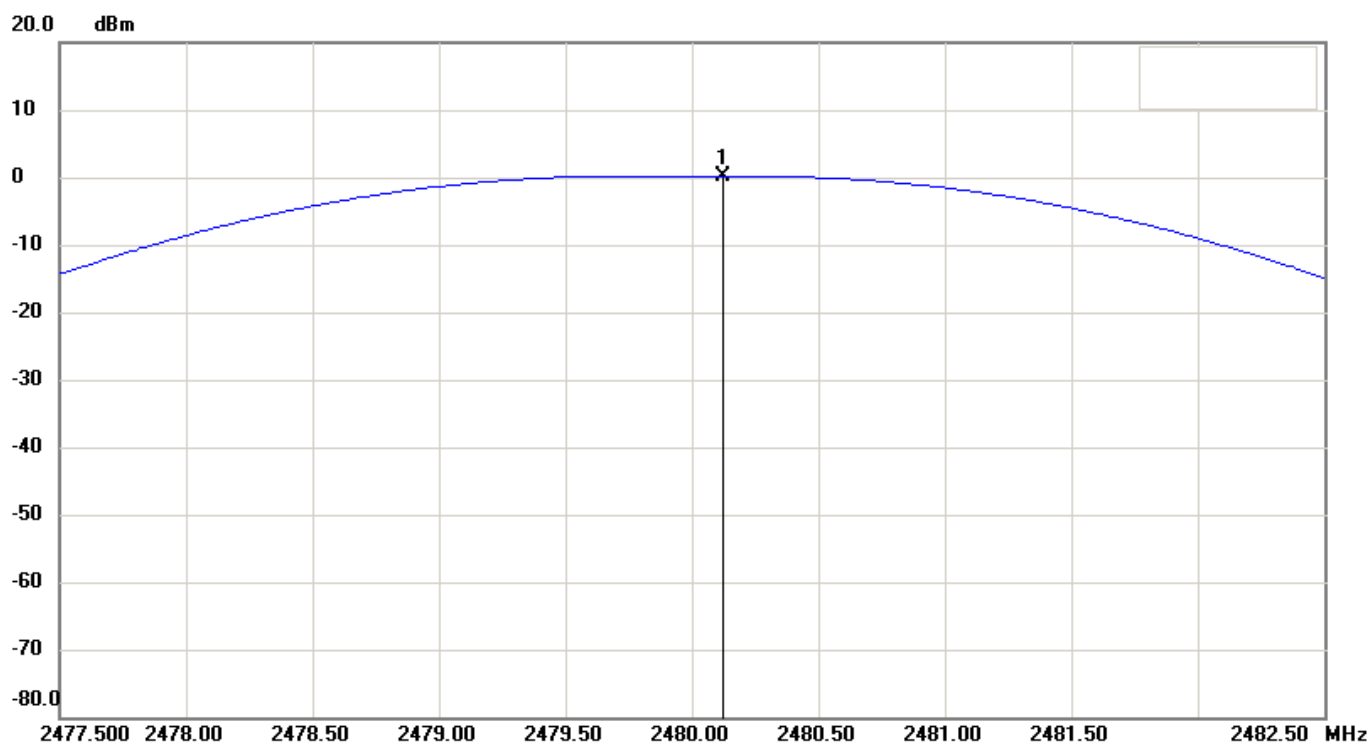
File: 20-07-MAS-052_BLE_1M_BT1
 Site: RF-Cond01

#10

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_1M
 Note: NCC_LP0002_BLE CHH Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
 RBW: 2000 KHz VBW: 2000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2480.12000	0.23

7.4.1.2 測試模式：Mode B

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度：56%

Channel	Maximum Peak Output Power (dBm)	Maximum Peak Output Power (mW)	NCC Limit (mW)	Chart
L	0.64	1.16	1000	Page 55
M	0.51	1.12	1000	Page 56
H	0.30	1.07	1000	Page 57

註：1. 繪圖資料請參考第 55-57 頁。

2. 最大峰值輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。

3. 量測不準確度:±1.5dB($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_BLE_2M_BT1

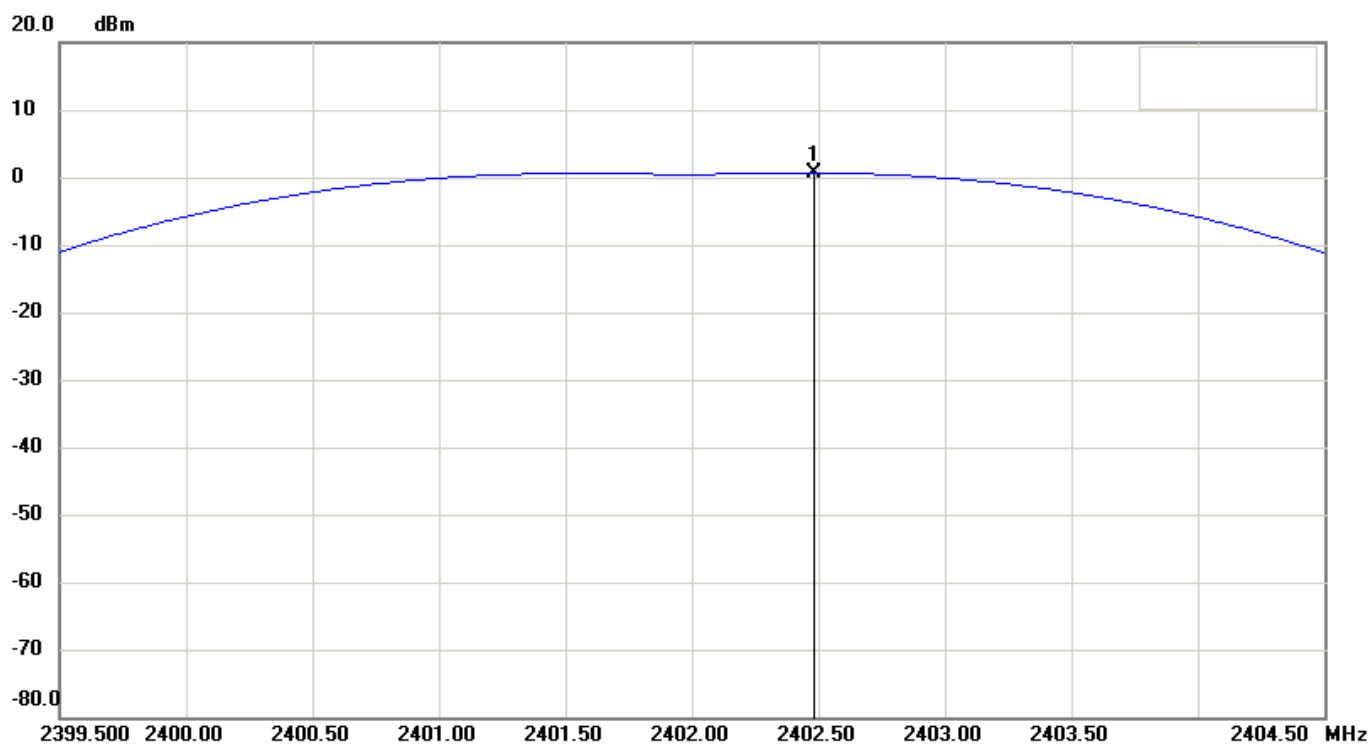
#1

Date: 2020/7/27

Temperature: 23 °C

Site: RF-Cond01

Humidity: 56 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_BLE CHL Output Power

RF Conducted

Sweep Time: 0.00092959ms Att.: 25dB

RBW: 2000 KHz

VBW: 2000 KHz

Operator:

Phillip

No.	Frequency(MHz)	Level(dBm)
1	2402.48000	0.64

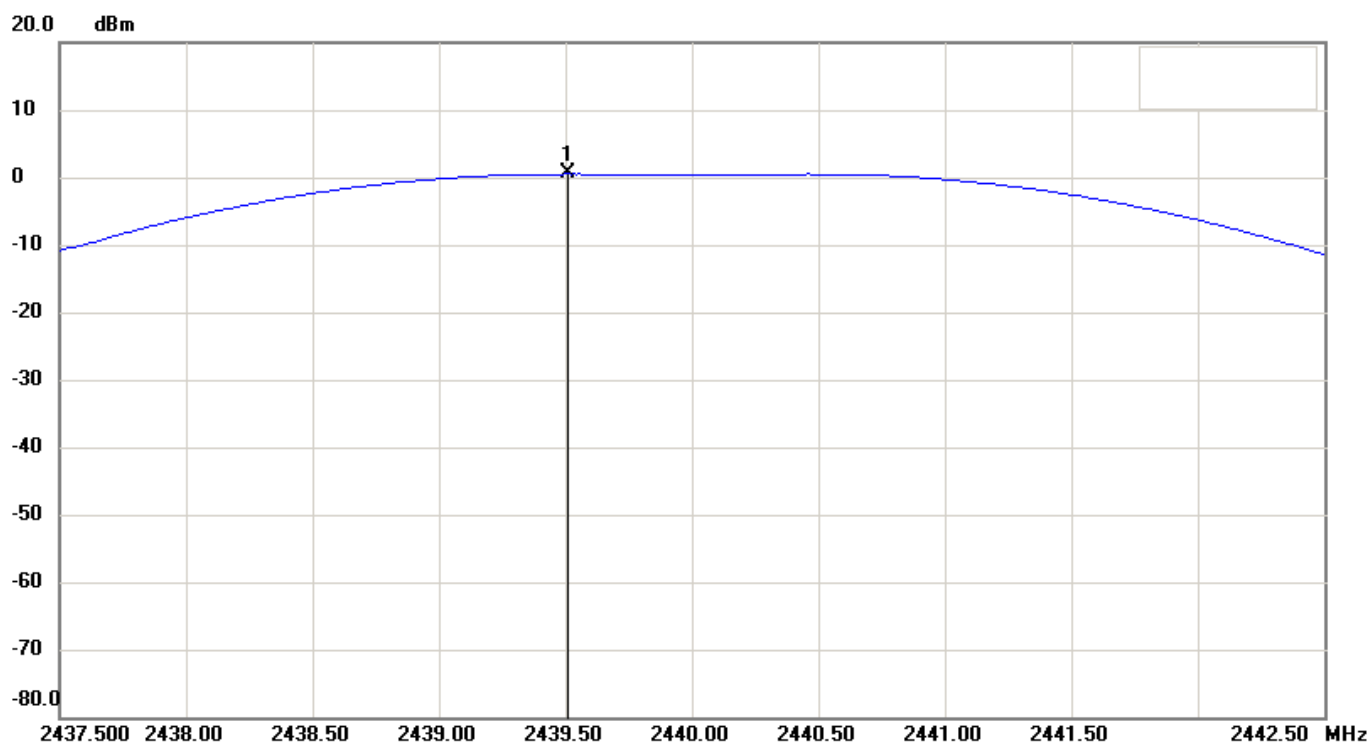
File: 20-07-MAS-052_BLE_2M_BT1
 Site: RF-Cond01

#6

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition:

EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M
 Note: NCC_LP0002_BLE CHM Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
 RBW: 2000 KHz VBW: 2000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.51000	0.51

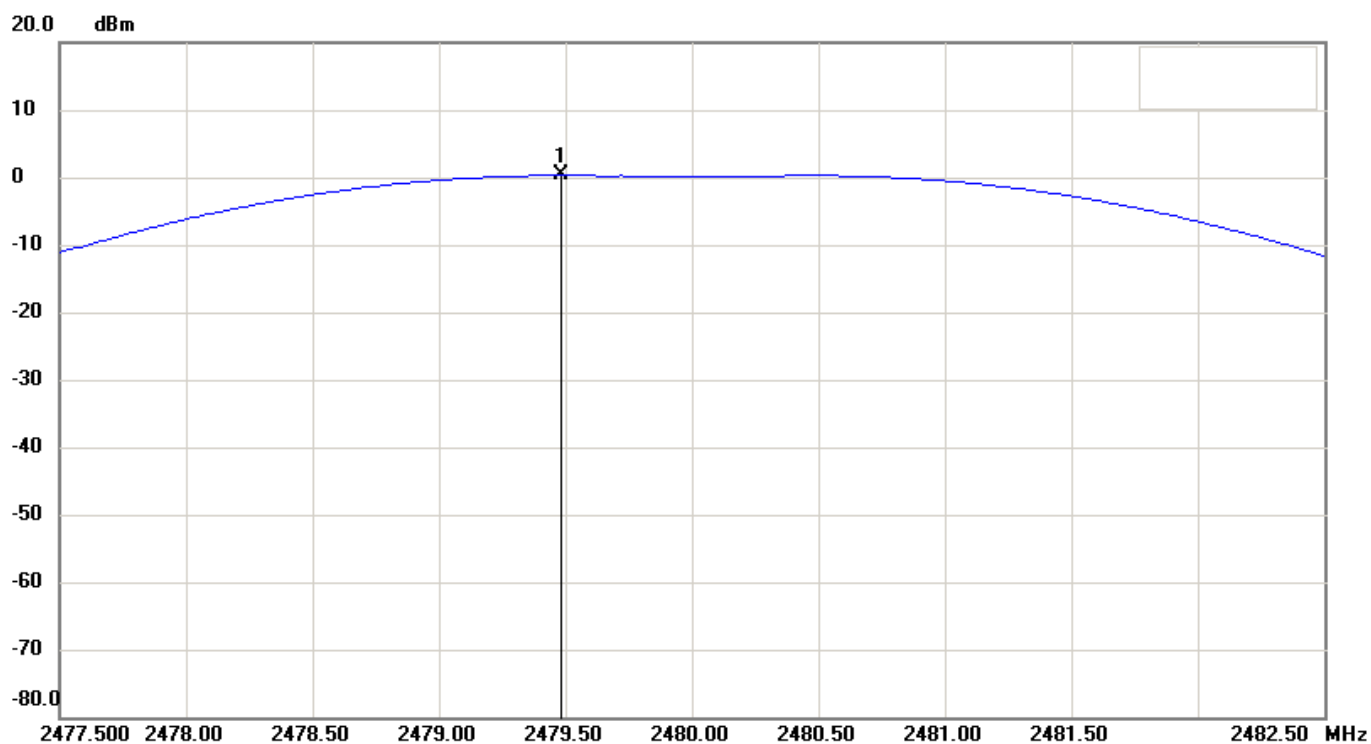
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#10

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_BLE CHH Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
RBW: 2000 KHz VBW: 2000 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.48000	0.30

7.4.2 BLE_Module2

7.4.2.1 測試模式：Mode C

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度：60%

Channel	Maximum Peak Output Power (dBm)	Maximum Peak Output Power (mW)	NCC Limit (mW)	Chart
L	0.52	1.13	1000	Page 59
M	0.31	1.07	1000	Page 60
H	0.02	1.00	1000	Page 61

註：1. 繪圖資料請參考第 59-61 頁。

2. 最大峰值輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。

3. 量測不準確度： $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

File: 20-07-MAS-052_BLE_1M_BT2

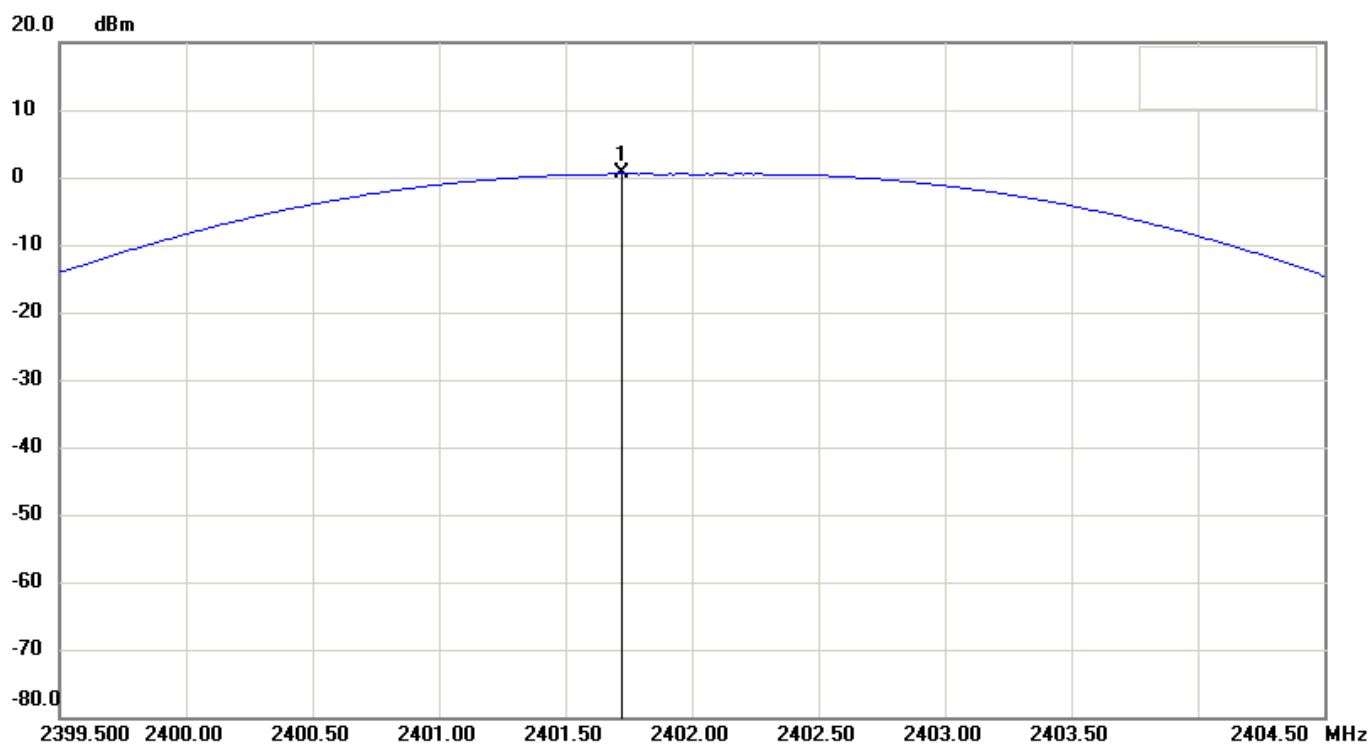
#1

Date: 2020/7/28

Temperature: 25 °C

Site: RF-Cond01

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_BLE CHL Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB

RBW: 2000 KHz

VBW: 2000 KHz

Operator:

Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.72000	0.52

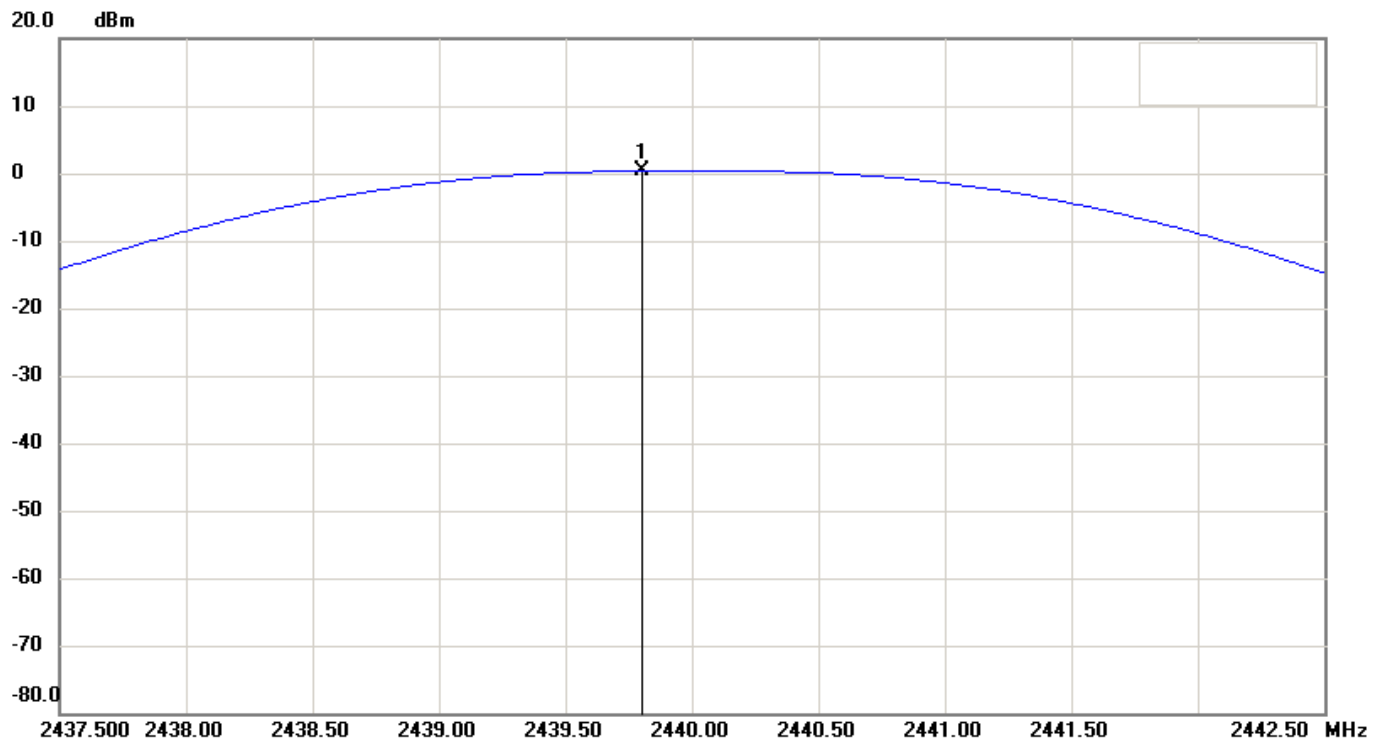
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#6

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_1M
 Note: NCC_LP0002_BLE CHM Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
 RBW: 2000 KHz VBW: 2000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.80000	0.31

File: 20-07-MAS-052_BLE_1M_BT2

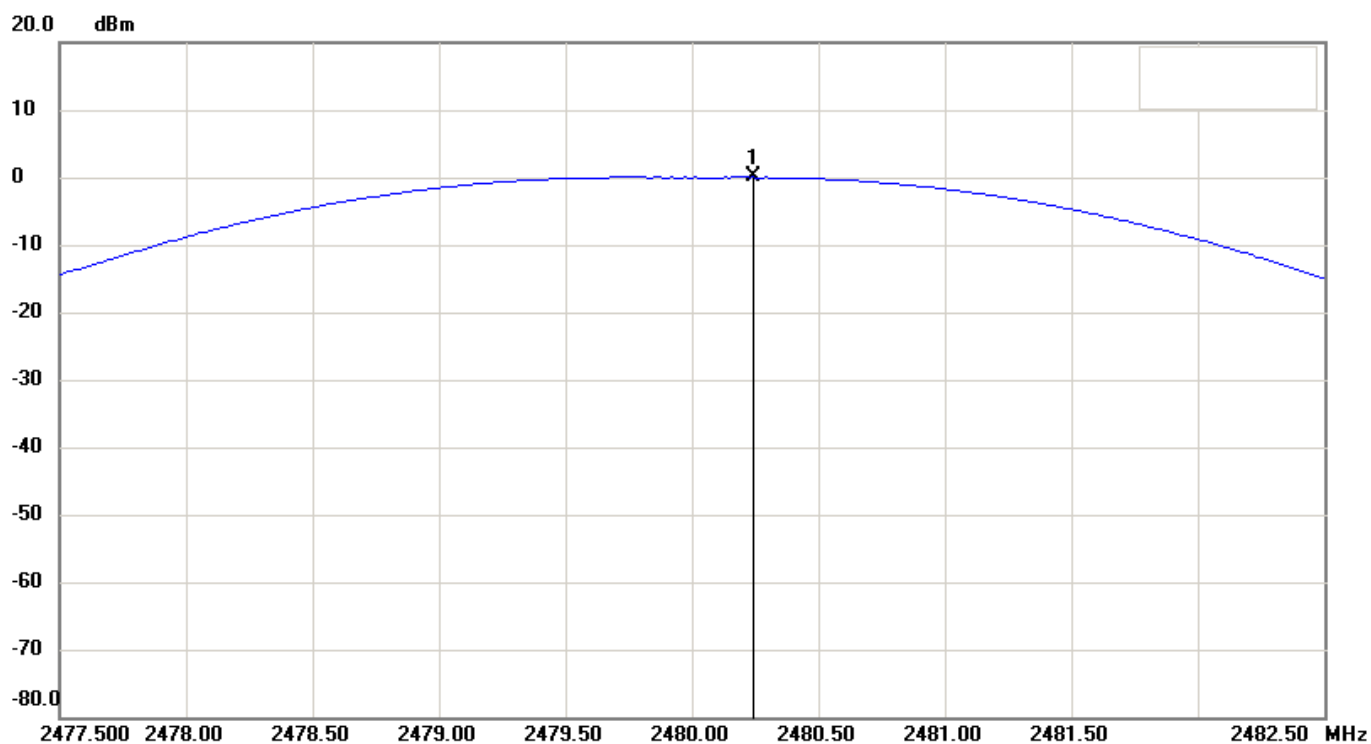
#10

Date: 2020/7/28

Temperature: 25 °C

Site: RF-Cond01

Humidity: 60 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_BLE CHH Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB

RBW: 2000 KHz

VBW: 2000 KHz

Operator:

Phillip

No.	Frequency(MHz)	Level(dBm)
1	2480.24000	0.02

7.4.2.2 測試模式：Mode D

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度：60%

Channel	Maximum Peak Output Power (dBm)	Maximum Peak Output Power (mW)	NCC Limit (mW)	Chart
L	0.51	1.12	1000	Page 63
M	0.30	1.07	1000	Page 64
H	0.04	1.01	1000	Page 65

註：1. 繪圖資料請參考第 63-65 頁。

2. 最大峰值輸出功率 (Maximum Peak Output Power) 為經儀器校正補償過後的結果值。

3. 量測不準確度:±1.5dB($1\text{GHz} \leq f \leq 18\text{GHz}$)

7.5 結果判定

高、中、低頻段的峰值輸出功率皆低於30.0dBm (1W)

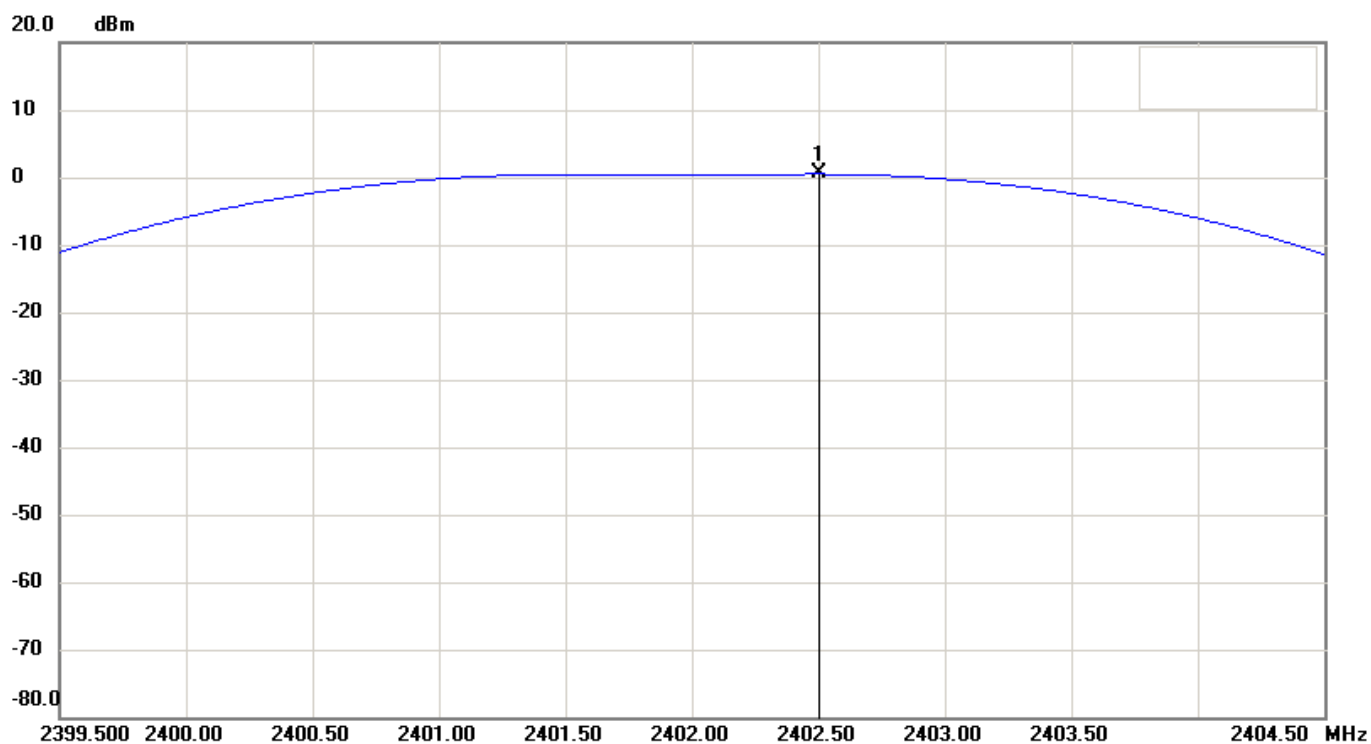
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#1

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_BLE CHL Output Power

RF Conducted

Sweep Time: 0.00092959ms Att.: 25dB

RBW: 2000 KHz VBW: 2000 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2402.50000	0.51

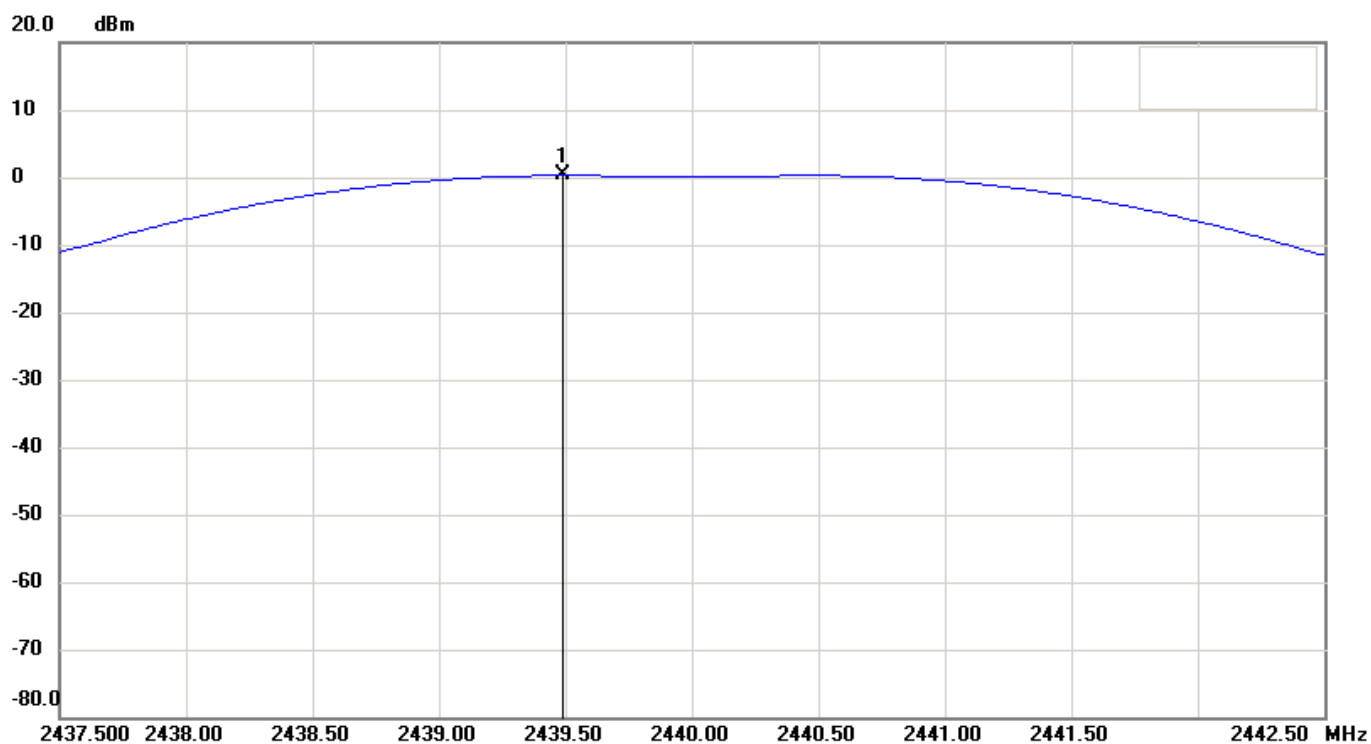
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#6

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M
 Note: NCC_LP0002_BLE CHM Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
 RBW: 2000 KHz VBW: 2000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.49000	0.30

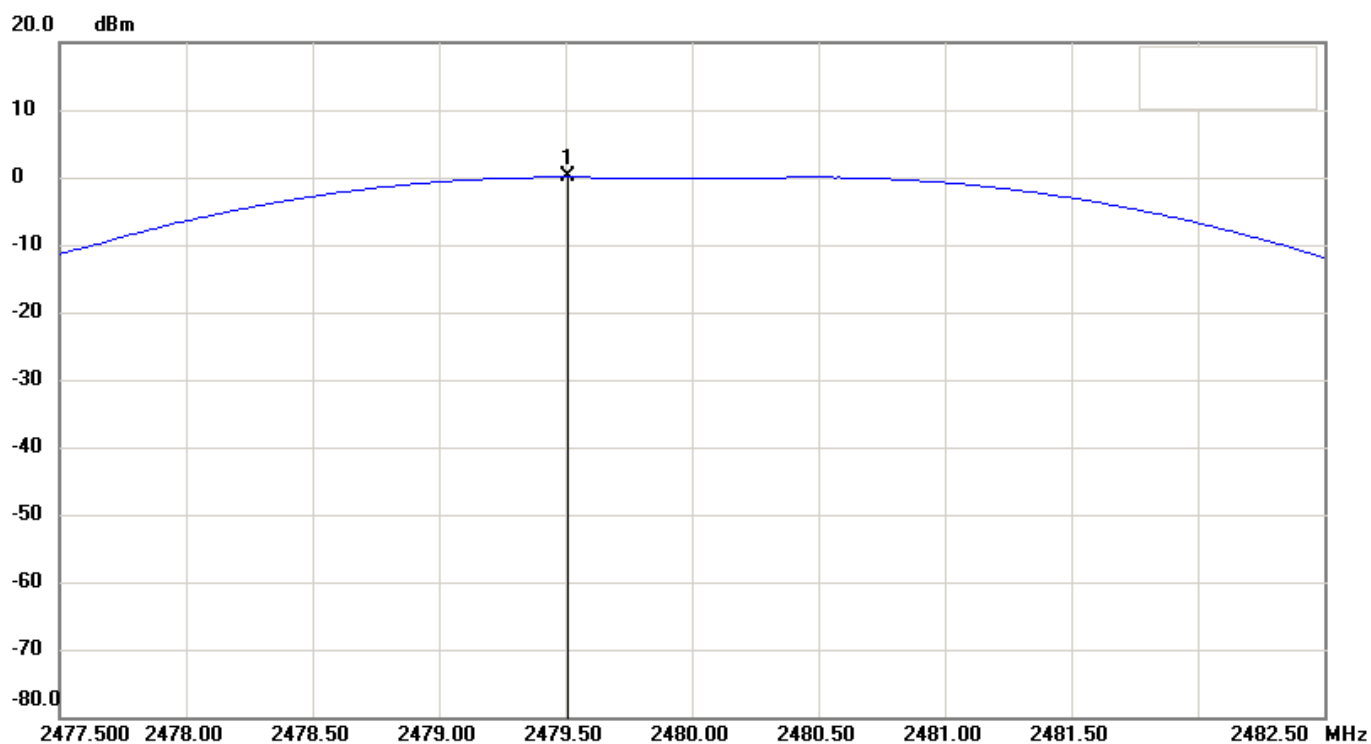
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#10

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M
 Note: NCC_LP0002_BLE CHH Output Power

RF Conducted

Sweep Time: 1ms Att.: 25dB
 RBW: 2000 KHz VBW: 2000 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.51000	0.04

8 功率密度之量測

8.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.6節之(2)(B)規定，對數位調變技術系統，在使用頻率範圍之任一3 kHz頻寬內，由發射機傳導至天線之功率頻譜密度在任意傳輸期間內，皆小於或等於8毫分貝(dBm)，且應依3.10.1.3之方式降低功率頻譜密度限制值。

8.2 量測功率密度之配置

如圖 2 所示。

8.3 量測功率密度之儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHEL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

8.4 量測結果

測試工程師: 羅世勇

8.4.1 BLE_Module1

8.4.1.1 測試模式：Mode A

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度: 56%

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-15.19	8	Page 68
M	-15.27	8	Page 69
H	-15.38	8	Page 70

註：1. 繪圖資料請參考第 68-70 頁。

2. 峰值功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

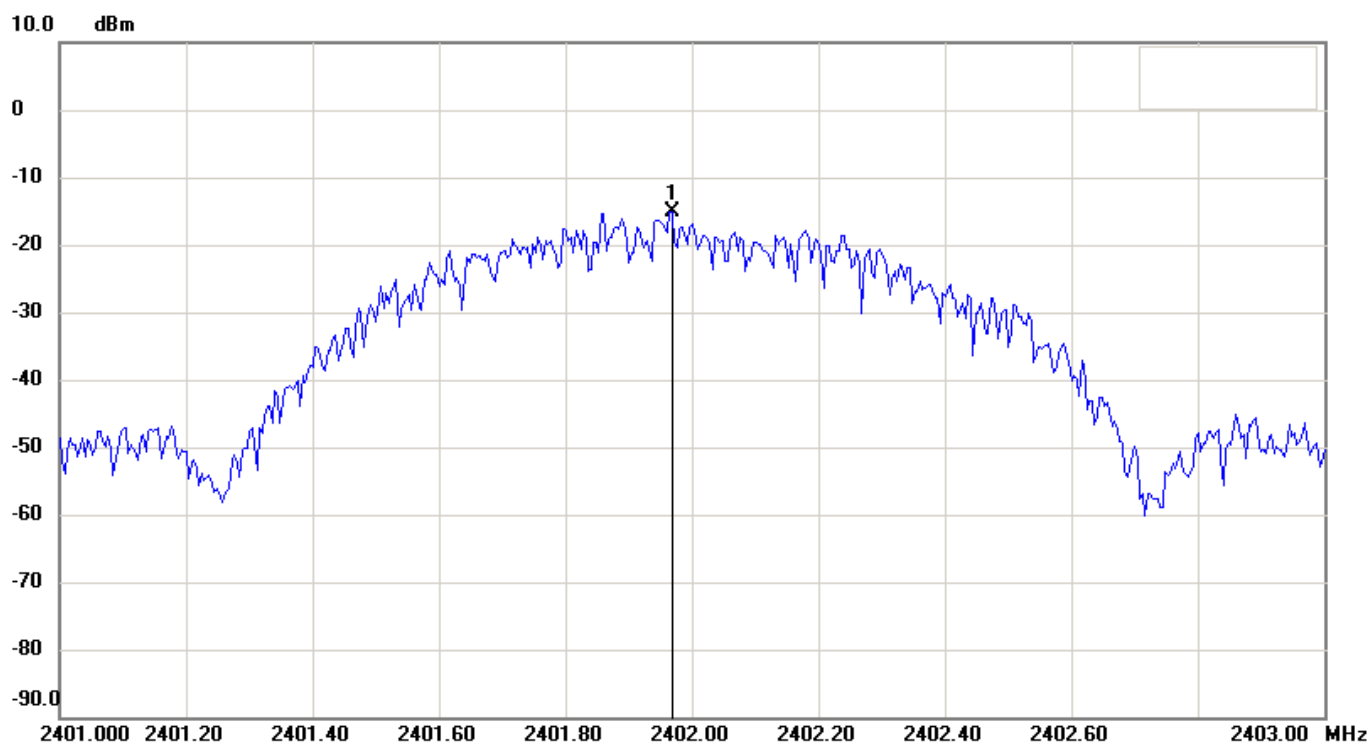
File: 20-07-MAS-052_BLE_1M_BT1
 Site: RF-Cond01

#4

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel LOW-Power Density (PK)

RF Conducted

Sweep Time: 22.3ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.96800	-15.19

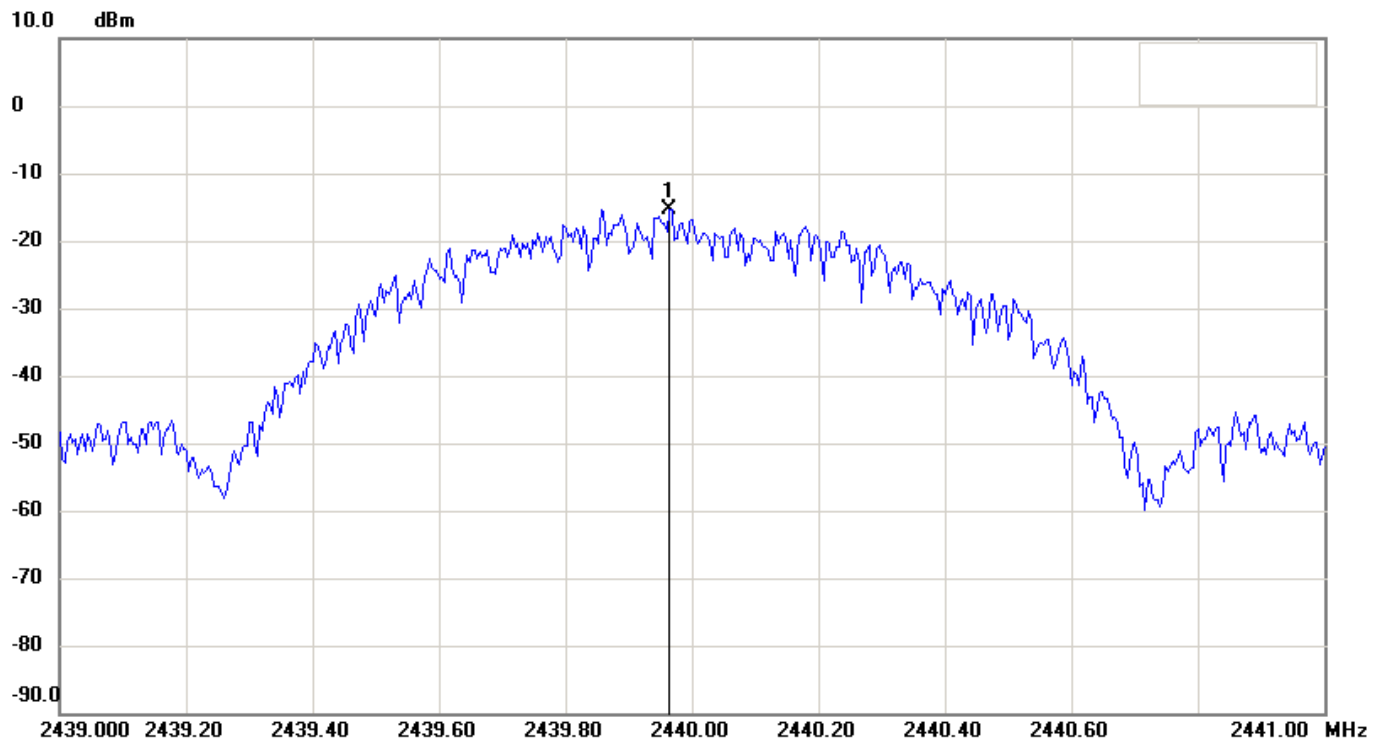
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#9

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel MID-Power Density (PK)

RF Conducted

Sweep Time: 22.3ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.96400	-15.27

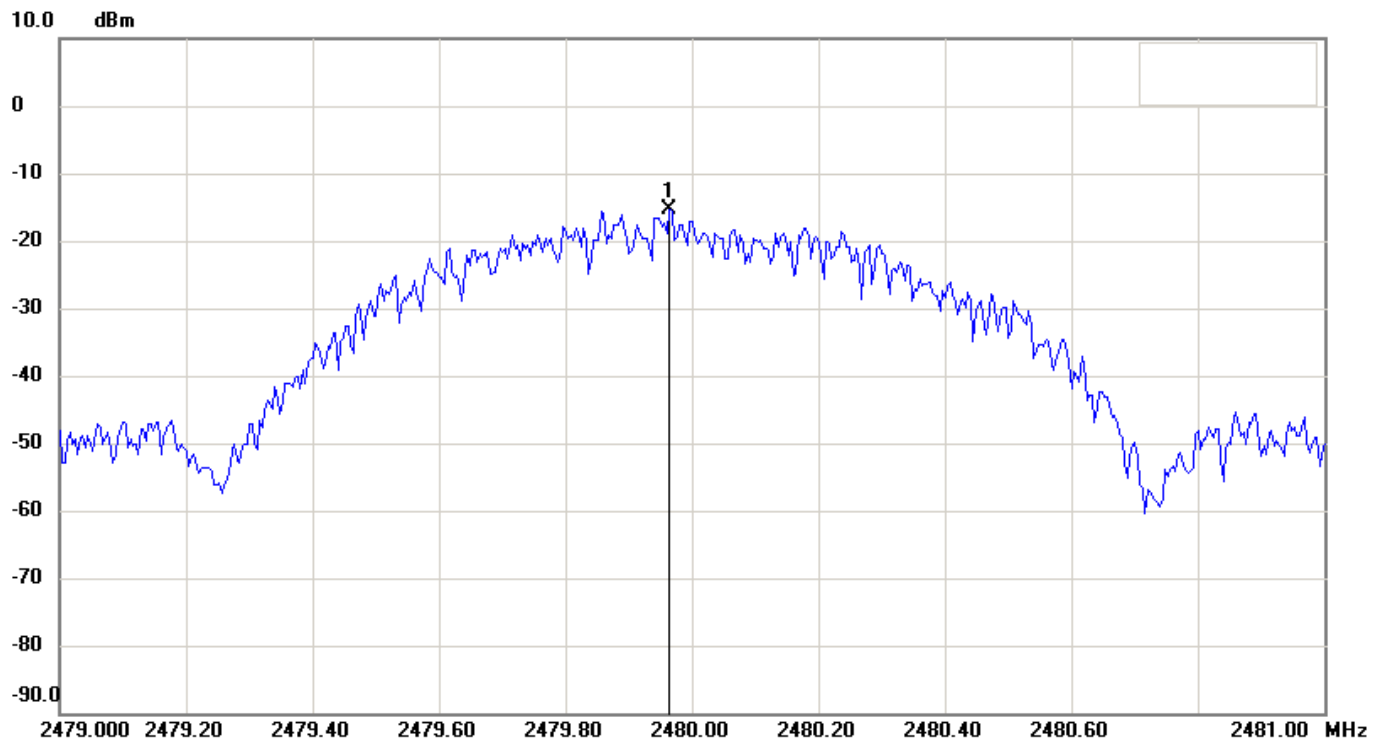
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#13

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel HIGH-Power Density (PK)

RF Conducted

Sweep Time: 22.3ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.96400	-15.38

8.4.1.2 測試模式：Mode B

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度: 56%

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-17.81	8	Page 72
M	-17.89	8	Page 73
H	-18.02	8	Page 74

註：1. 繪圖資料請參考第 72-74 頁。

2. 峰值功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

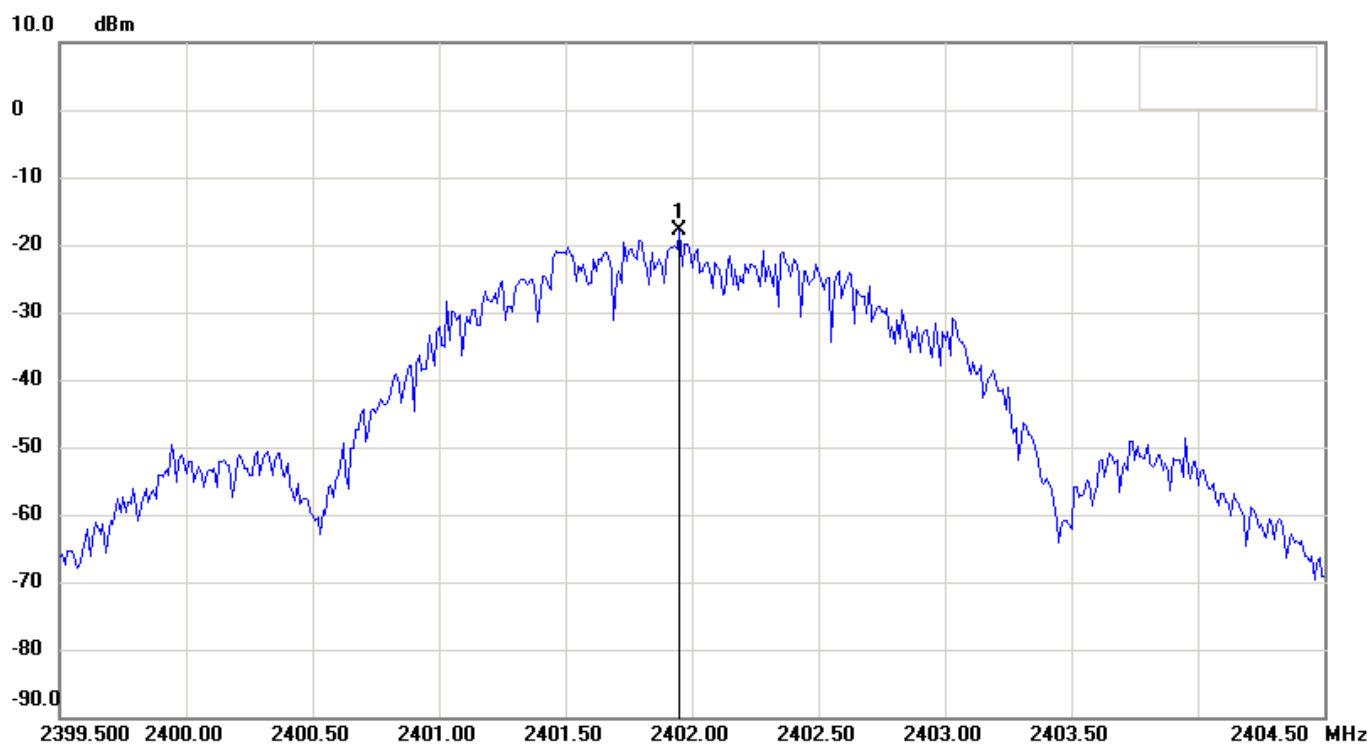
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#4

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel LOW-Power Density (PK)

RF Conducted

Sweep Time: 55.6ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.95000	-17.81

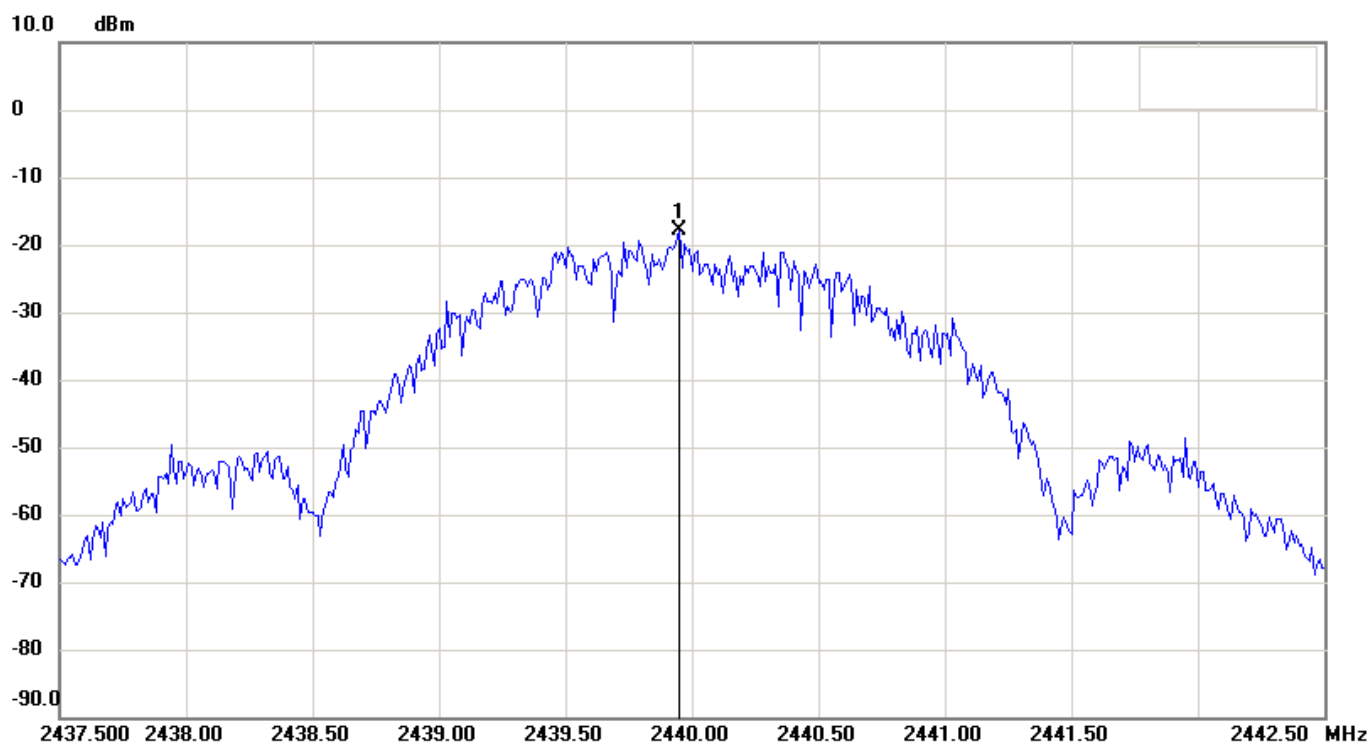
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#9

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel MID-Power Density (PK)

RF Conducted

Sweep Time: 55.6ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.95000	-17.89

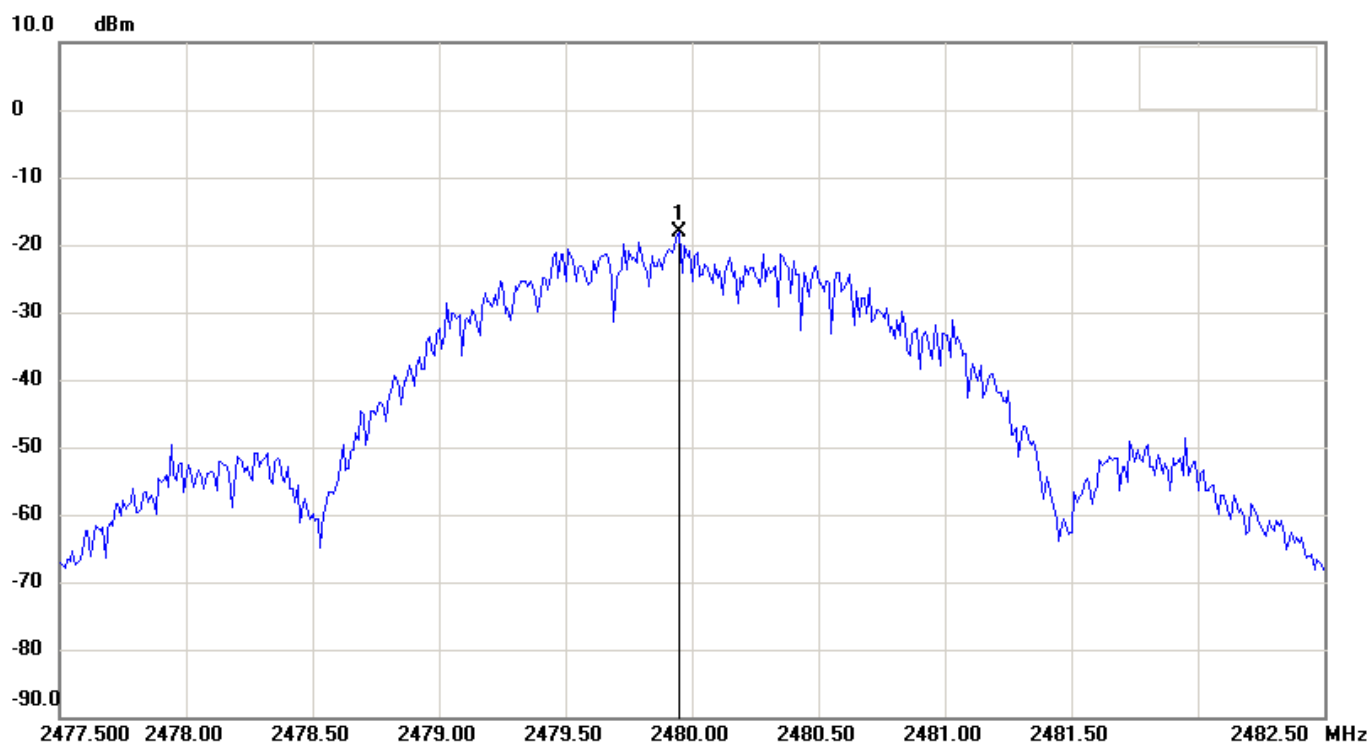
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#13

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel HIGH-Power Density (PK)

RF Conducted

Sweep Time: 55.6ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.95000	-18.02

8.4.2 BLE_Module2

8.4.2.1 測試模式：Mode C

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度: 60%

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-15.11	8	Page 76
M	-15.34	8	Page 77
H	-15.59	8	Page 78

註：1. 繪圖資料請參考第 76-78 頁。

2. 峰值功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

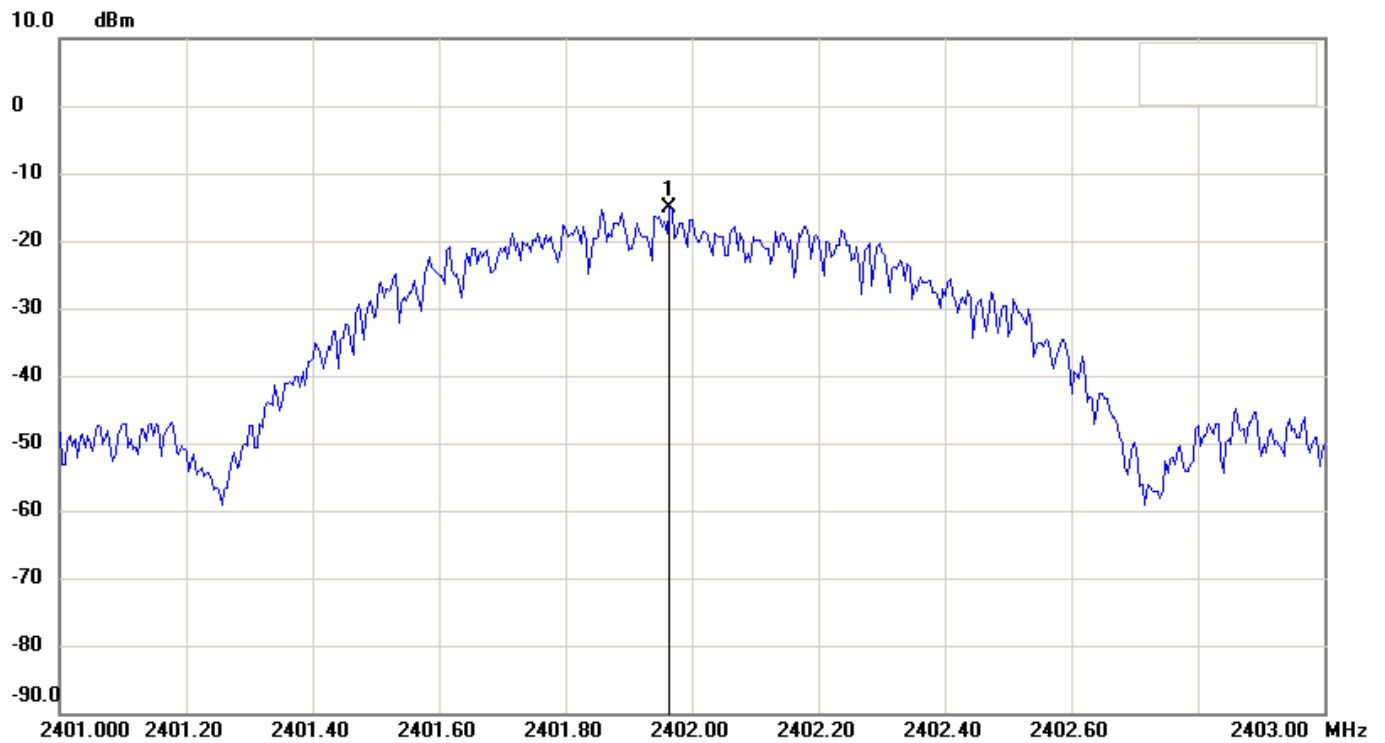
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#4

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel LOW-Power Density (PK)

RF Conducted

Sweep Time: 22.3ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.96400	-15.11

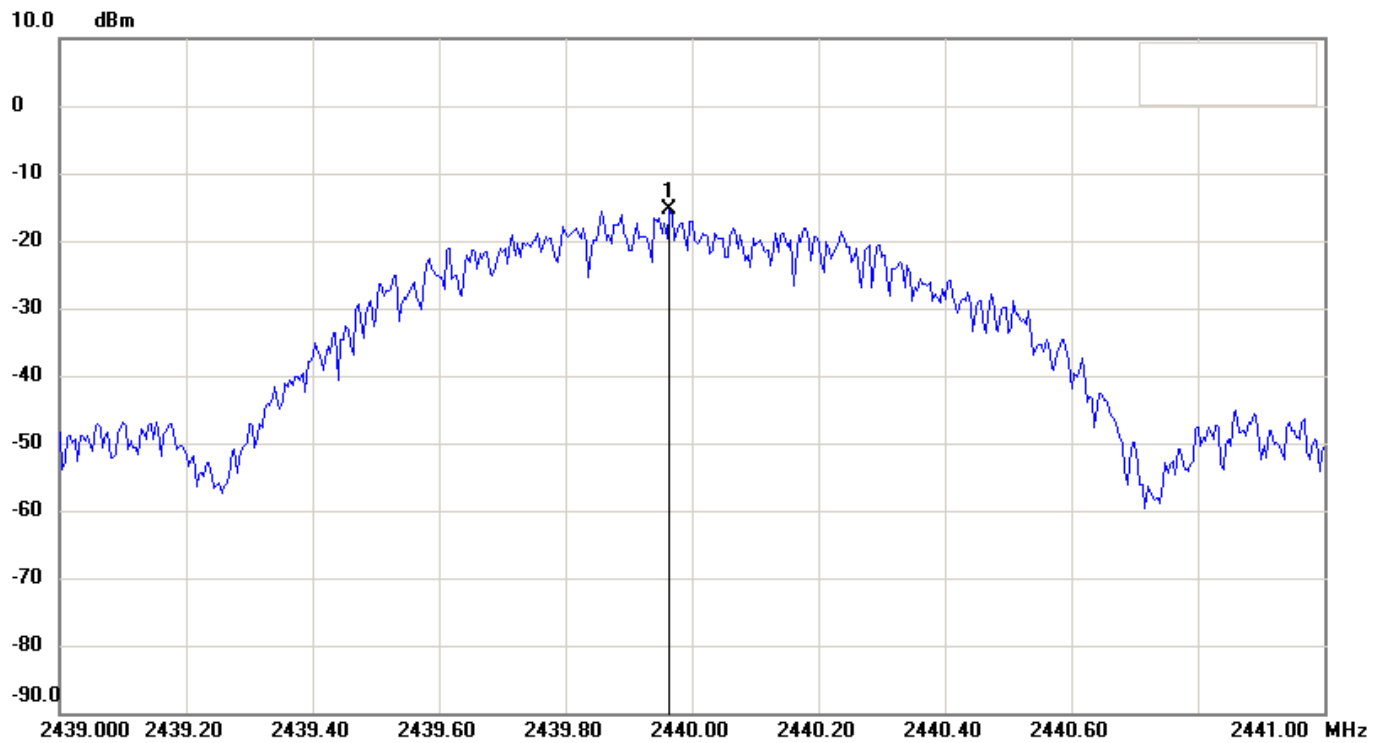
File: 20-07-MAS-052_BLE_1M_BT2
Site: RF-Cond01

#9

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel MID-Power Density (PK)

RF Conducted

Sweep Time: 22.3ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.96400	-15.34

File: 20-07-MAS-052_BLE_1M_BT2

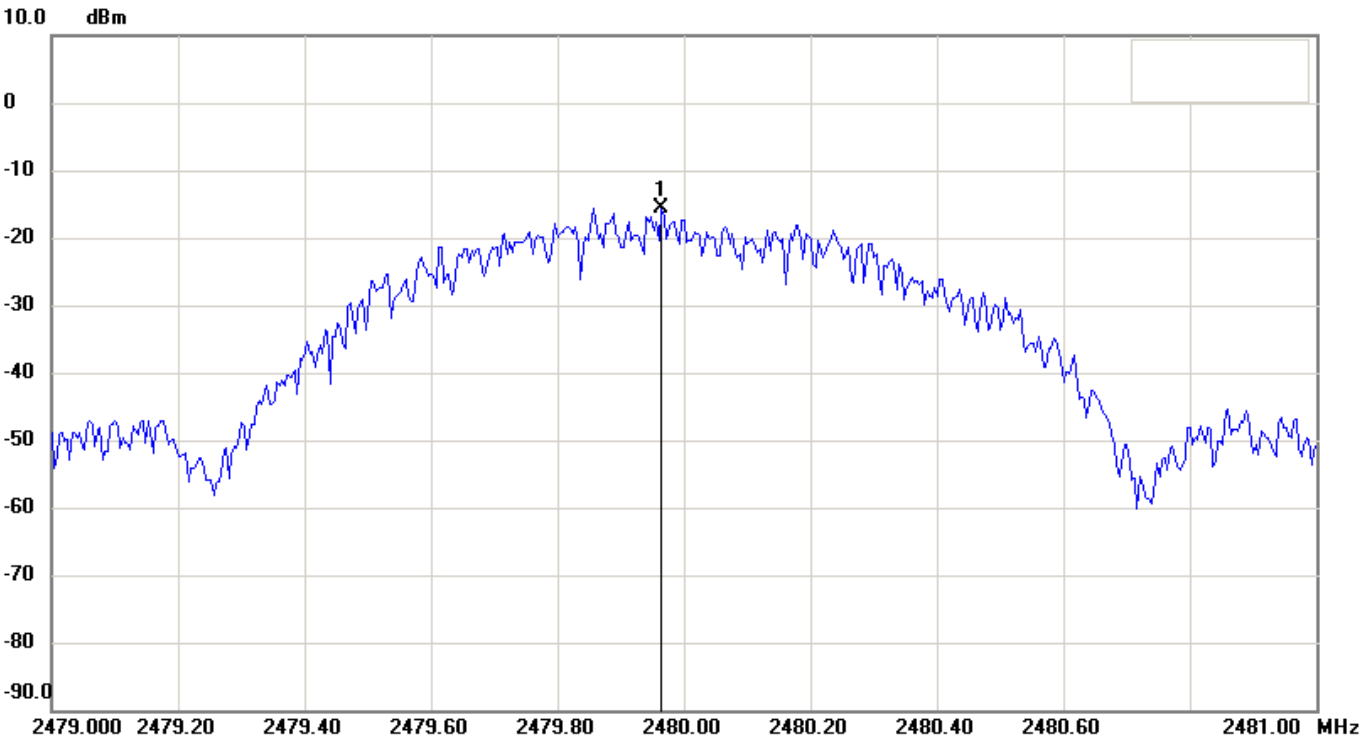
#13

Date: 2020/7/28

Temperature: 25 °C

Site: RF-Cond01

Humidity: 60 %



Condition:

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel HIGH-Power Density (PK)

RF Conducted

Sweep Time: 22.3ms

RBW: 3 KHz

Operator:

Att.: 15dB

VBW: 10 KHz

Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.96400	-15.59

8.4.2.2 測試模式：Mode D

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度: 60%

Channel	Peak Power Spectral Density (dBm)	NCC Limit (dBm)	Chart
L	-17.91	8	Page 80
M	-18.11	8	Page 81
H	-18.29	8	Page 82

註：1. 繪圖資料請參考第 80-82 頁。

2. 峰值功率頻譜密度 (Peak Power Spectral Density) 為經儀器校正補償過後的結果值。

3. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

8.5 結果判定

高、中、低頻段的3kHz功率密度皆低於8dBm，合乎標準規定

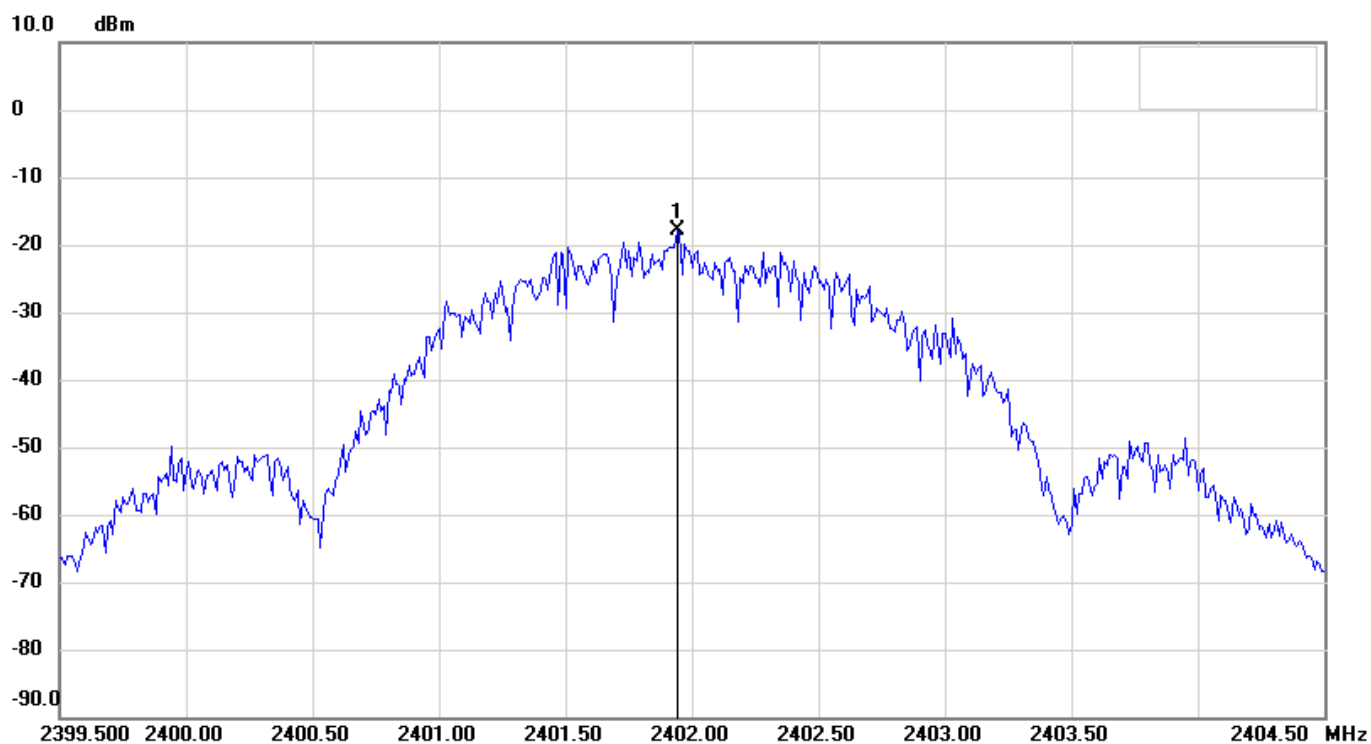
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#4

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel LOW-Power Density (PK)

RF Conducted

Sweep Time: 55.6ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2401.94000	-17.91

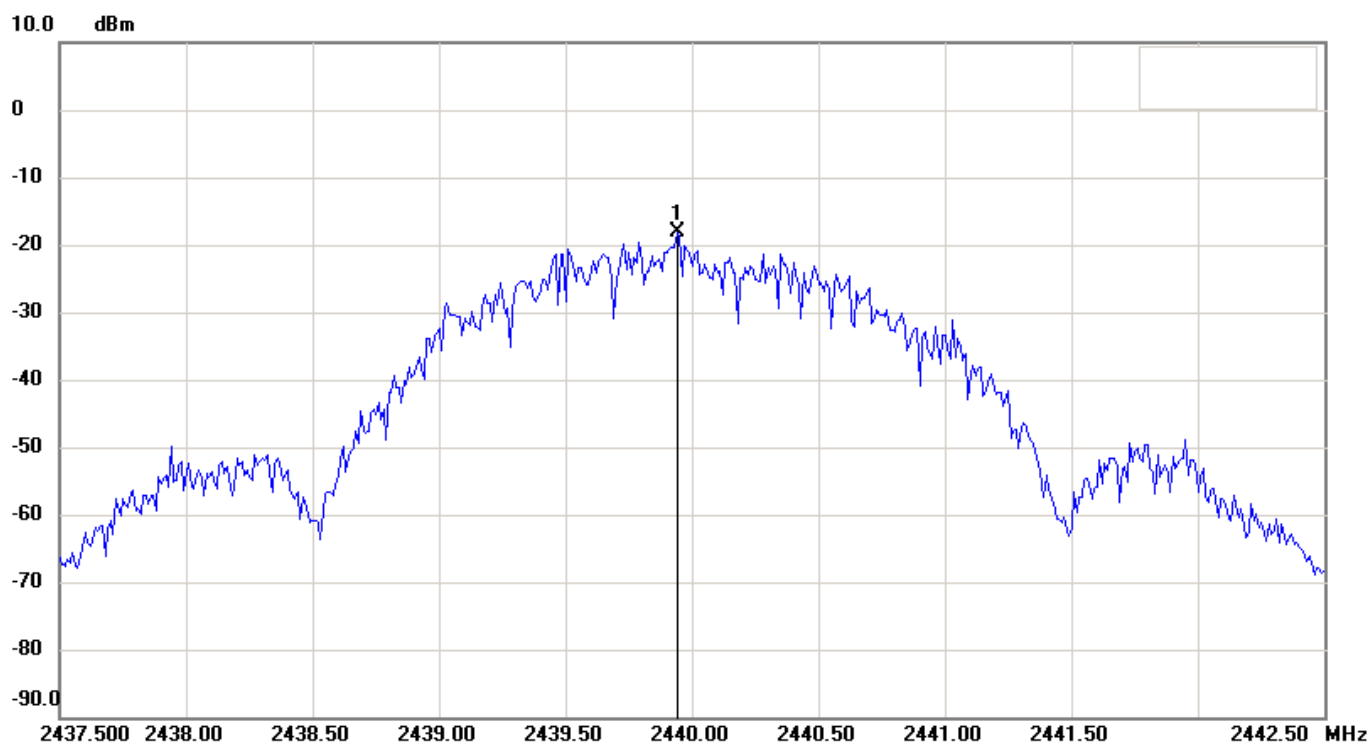
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#9

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel MID-Power Density (PK)

RF Conducted

Sweep Time: 55.6ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2439.94000	-18.11

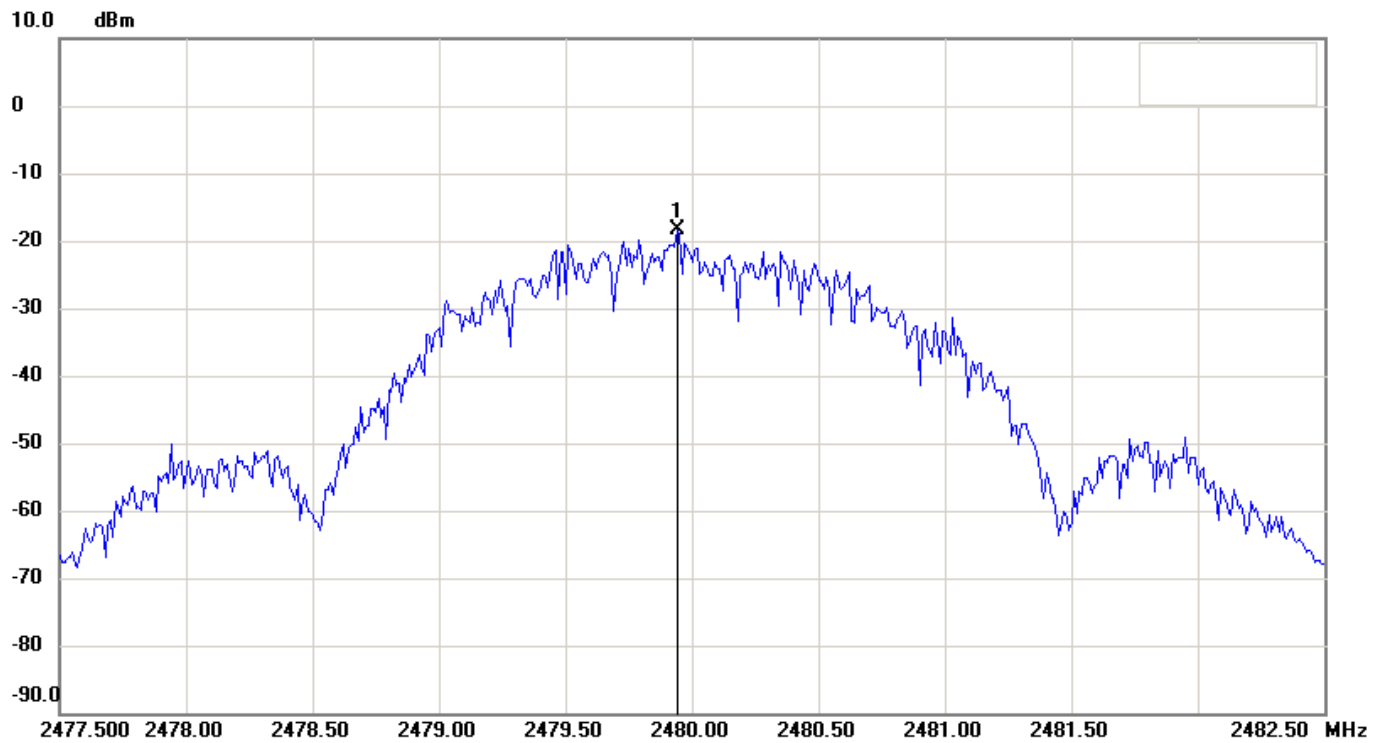
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#13

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %

**Condition:**

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel HIGH-Power Density (PK)

RF Conducted

Sweep Time: 55.6ms Att.: 15dB

RBW: 3 KHz VBW: 10 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.94000	-18.29

9 混附波發射限制之量測

9.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5之規定，操作頻帶範圍外之任意100 kHz內，發射機所產生的射頻功率相較於使用頻帶範圍中包含最高所需功率之100 kHz內的射頻功率，其衰減值限制如下：

- (1) 輸出功率以附件二之峰值輸出功率方式測量者，至少須衰減20 dB，可使用射頻傳導或輻射方式測量。
- (2) 輸出功率以3.10.1.2(1)(C)之最大傳導輸出功率測量方式者，至少須衰減30 dB。

此外，落於國家通訊傳播委員會低功率射頻電機技術規範第2.7節禁用頻段之輻射發射，應符合國家通訊傳播委員會低功率射頻電機技術規範第2.8節之規定。

9.2 混附波發射限制之測試配置

如圖2 所示。

9.3 量測混附波發射限制之儀器

儀器名稱	製造者	型 號
Spectrum Analyzer	R&S	FSV
Attenuator	WEINSCHL	56-10

測試軟體: LZ-RF (Ver. ETC-3A2)

9.4 混附波發射限制之量測結果 (傳導方式量測)

測試工程師: 羅世勇

9.4.1 BLE_Module1

9.4.1.1 測試模式：Mode A

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度: 56%

a. 下邊緣頻帶：距下頻帶邊緣40MHz內最大混附波產生於 2380.48 MHz，比主波低20dB以上，合乎標準規定。

b. 上邊緣頻帶：距上頻帶邊緣40MHz內最大混附波產生於 2487.548 MHz，比主波低20dB以上，合乎標準規定。

註：1. 繪圖資料請參考第 84-88 頁。

2. 量測不準確度: $\pm 1.5\text{dB}$ ($1\text{GHz} \leq f \leq 18\text{GHz}$)

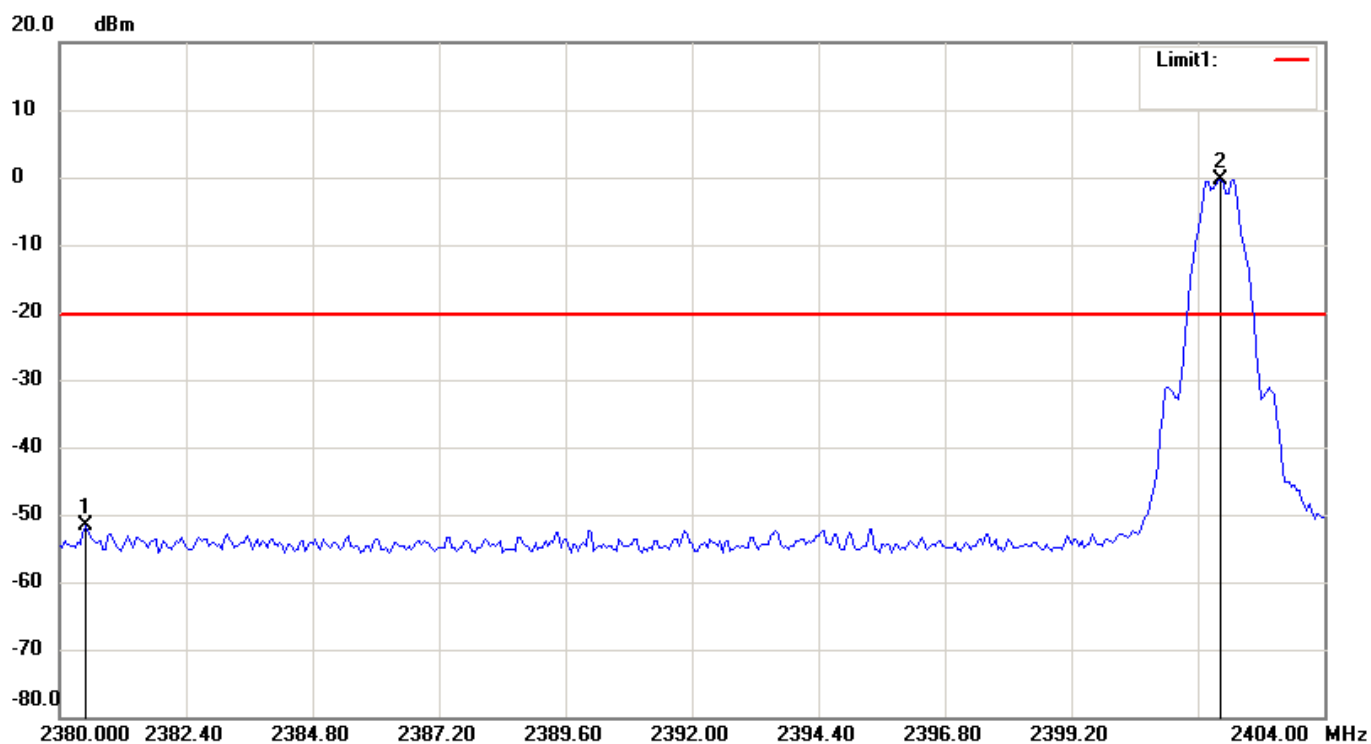
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#5

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.26dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: NCC_LP0002_Channel LOW-Bandedge

RF Conducted
Sweep Time: 1.01ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2380.48000	-51.71
2	2402.03200	-0.26

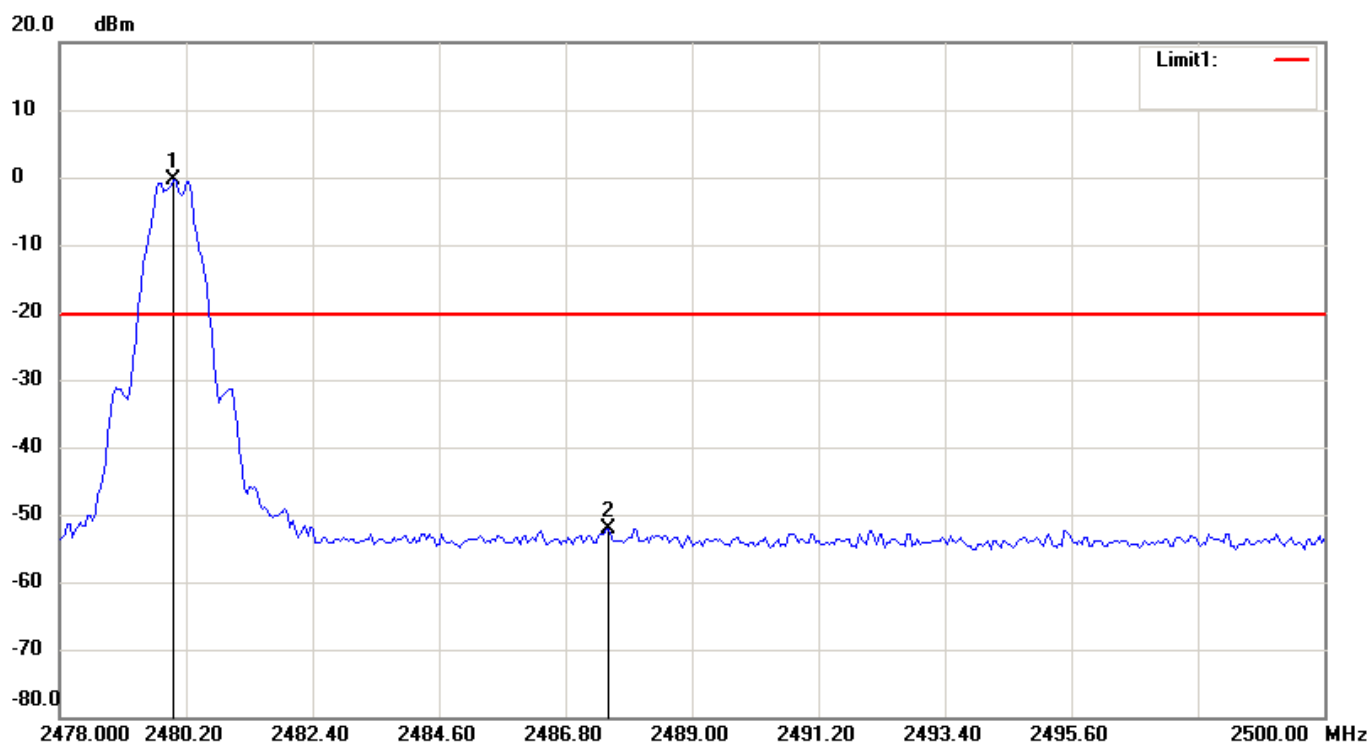
File: 20-07-MAS-052_BLE_1M_BT1
 Site: RF-Cond01

#14

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.49dBm
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_1M
 Note: NCC_LP0002_Channel High-Bandedge

RF Conducted
 Sweep Time: 1.02ms Att.: 25dB
 RBW: 100 KHz VBW: 300 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.98000	-0.49
2	2487.54800	-52.10

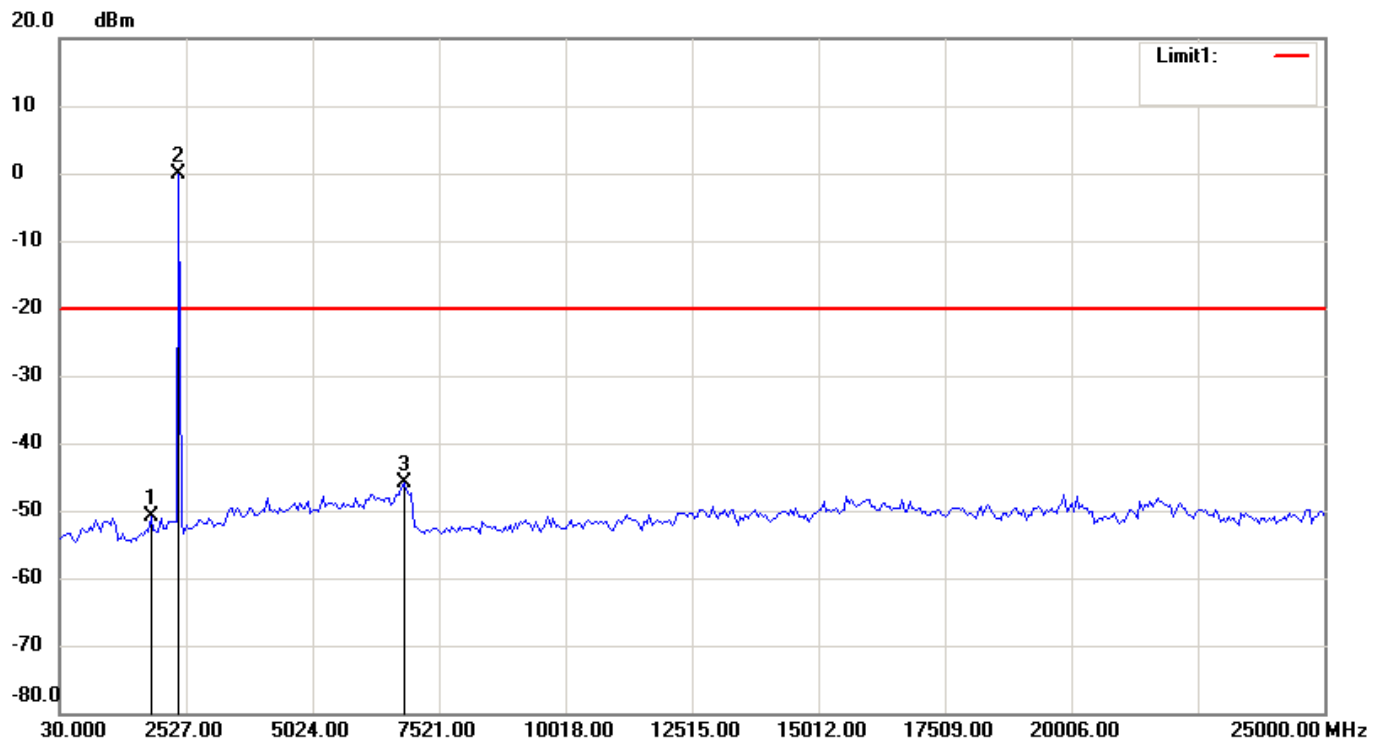
File: 20-07-MAS-052_BLE_1M_BT1
Site: RF-Cond01

#3

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.07dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel LOW-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator:

Phillip

No.	Frequency(MHz)	Level(dBm)
1	1827.84000	-50.98
2	2377.18000	-0.07
3	6821.84000	-45.86

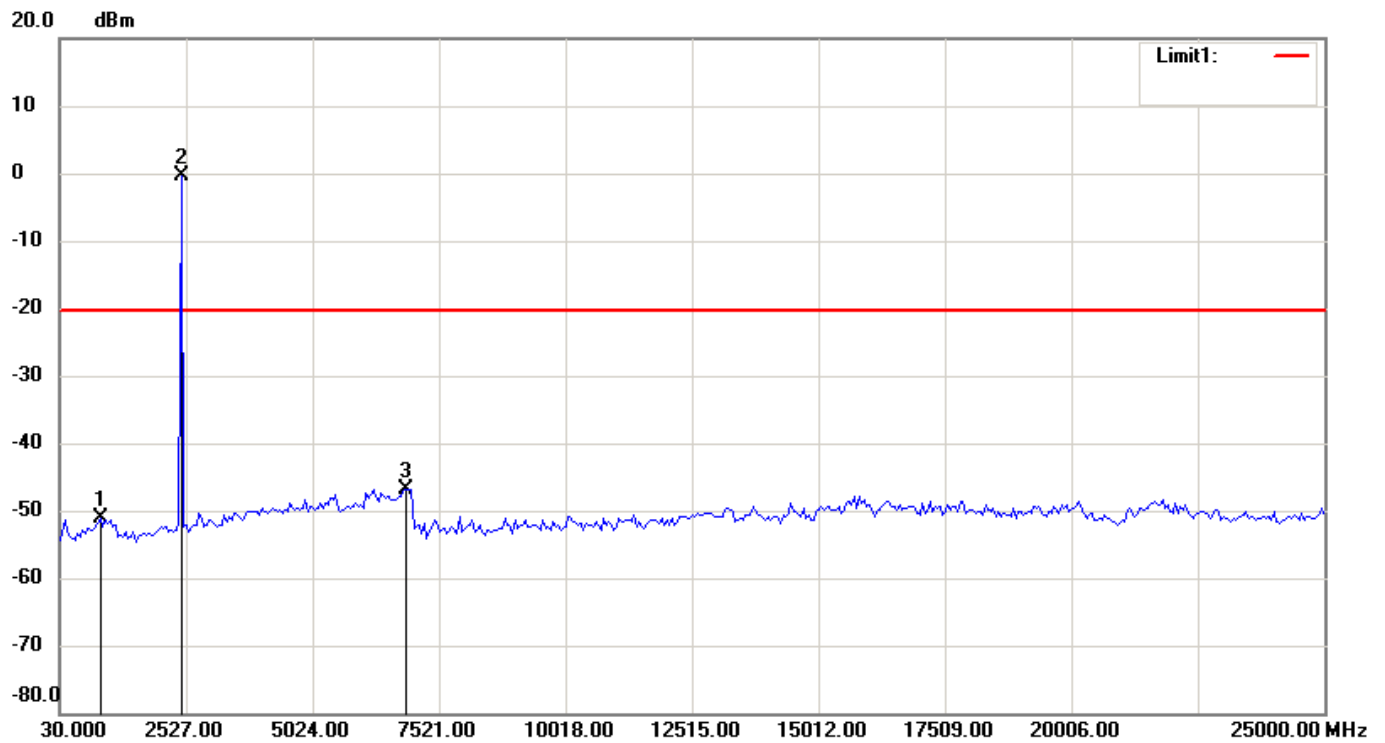
File: 20-07-MAS-052_BLE_1M_BT1
 Site: RF-Cond01

#8

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.47dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel MID-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator:

Phillip

No.	Frequency(MHz)	Level(dBm)
1	829.0400	-51.22
2	2427.1200	-0.47
3	6871.7800	-46.83

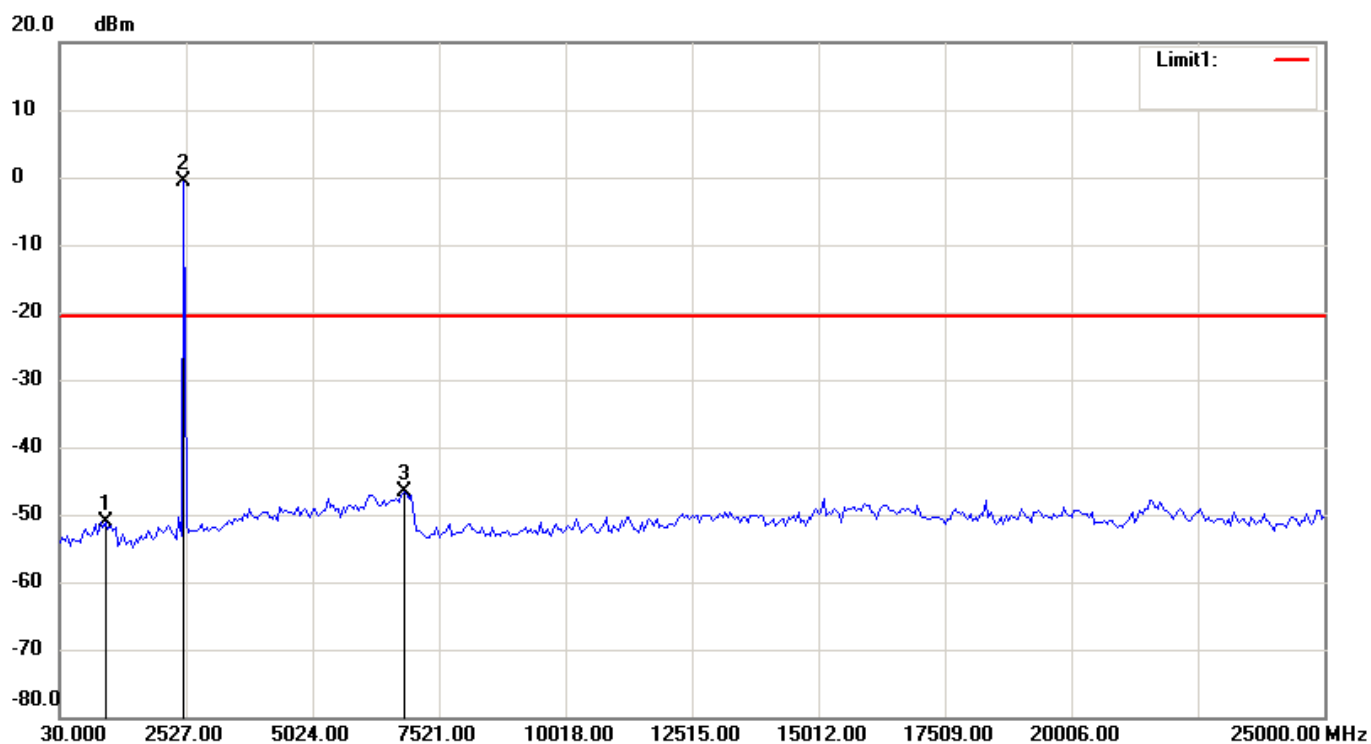
File: 20-07-MAS-052_BLE_1M_BT1
 Site: RF-Cond01

#12

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.7dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel HIGH-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	928.9200	-51.02
2	2477.06000	-0.70
3	6821.84000	-46.65

9.4.1.2 測試模式：Mode B

測試日期：Jul. 27, 2020

環境溫度：23°C

環境濕度: 56%

- a. 下邊緣頻帶：距下頻帶邊緣40MHz內最大混附波產生於 2399.968 MHz，比主波低 20dB以上，合乎標準規定。
- b. 上邊緣頻帶：距上頻帶邊緣40MHz內最大混附波產生於 2483.588 MHz，比主波低 20dB以上，合乎標準規定。

註：1. 繪圖資料請參考第 90-94 頁。

2. 量測不準確度: $\pm 1.5\text{dB}(1\text{GHz} \leq f \leq 18\text{GHz})$

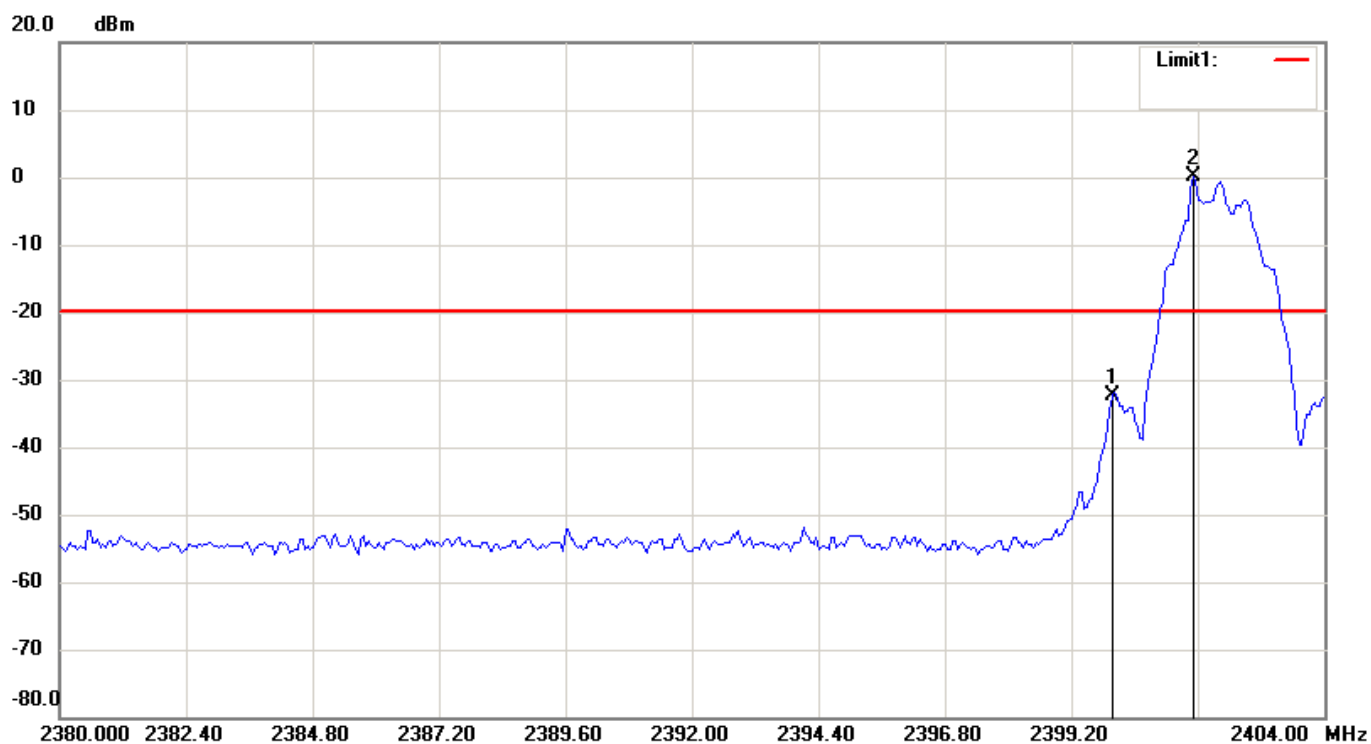
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#5

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -19.99dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel LOW-Bandedge

RF Conducted
Sweep Time: 1.01ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2399.96800	-32.27
2	2401.50400	0.01

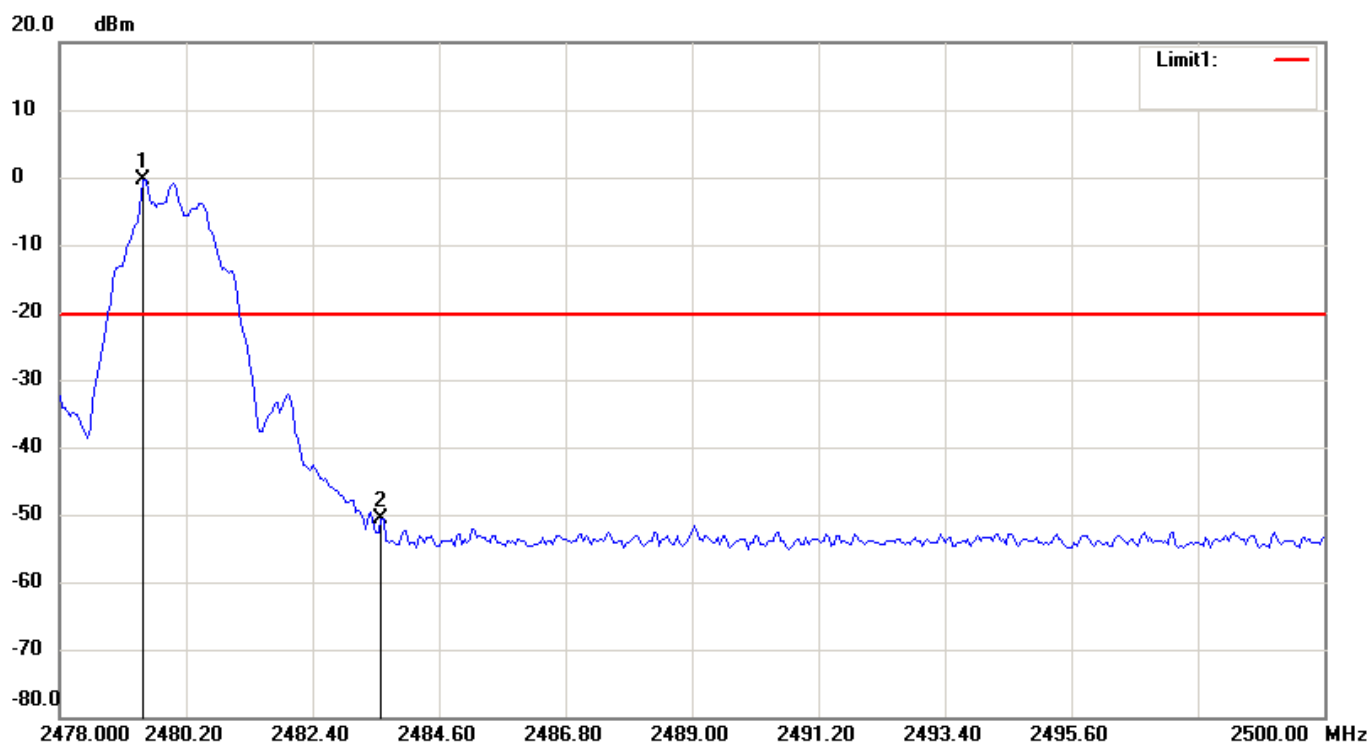
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#14

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.29dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel High-Bandedge

RF Conducted
Sweep Time: 1.02ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.45200	-0.29
2	2483.58800	-50.71

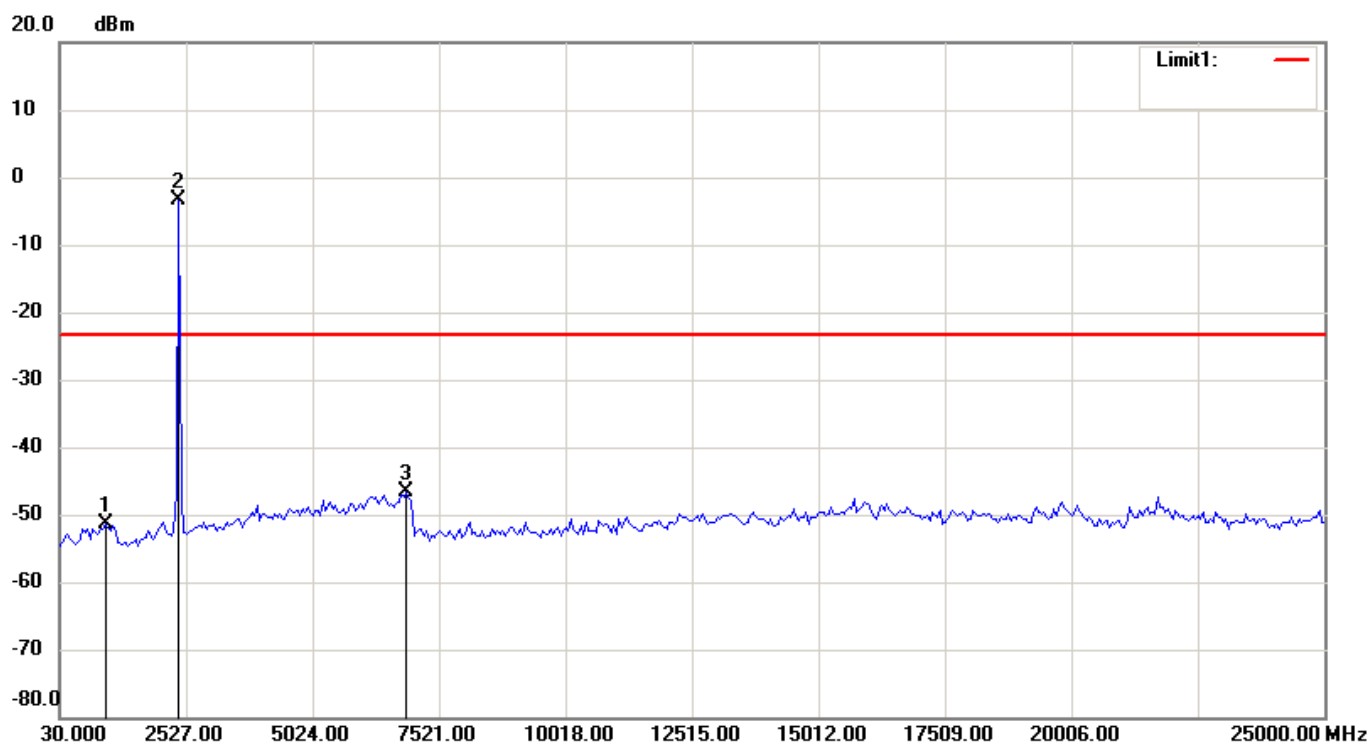
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#3

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -23.46dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel LOW-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	928.9200	-51.33
2	2377.18000	-3.46
3	6871.78000	-46.67

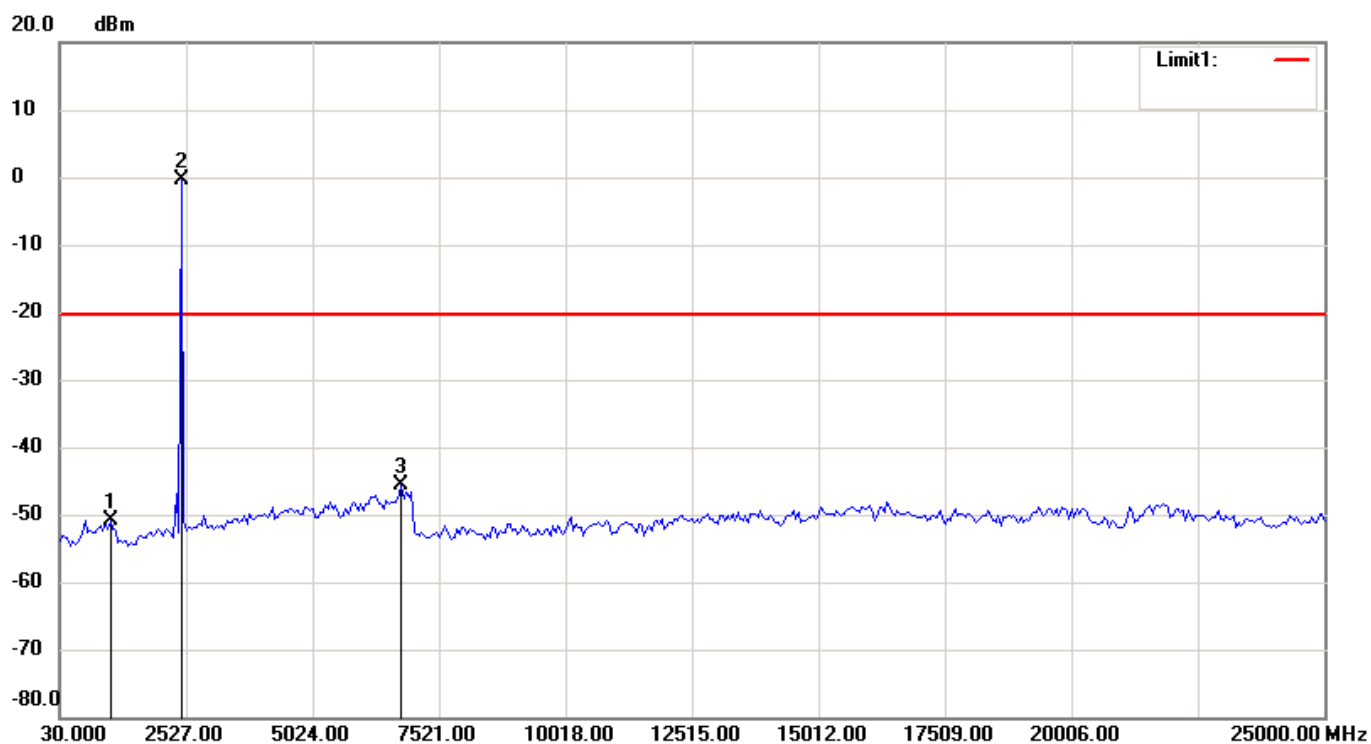
File: 20-07-MAS-052_BLE_2M_BT1
Site: RF-Cond01

#8

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -20.28dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel MID-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	1028.80000	-50.85
2	2427.12000	-0.28
3	6771.90000	-45.59

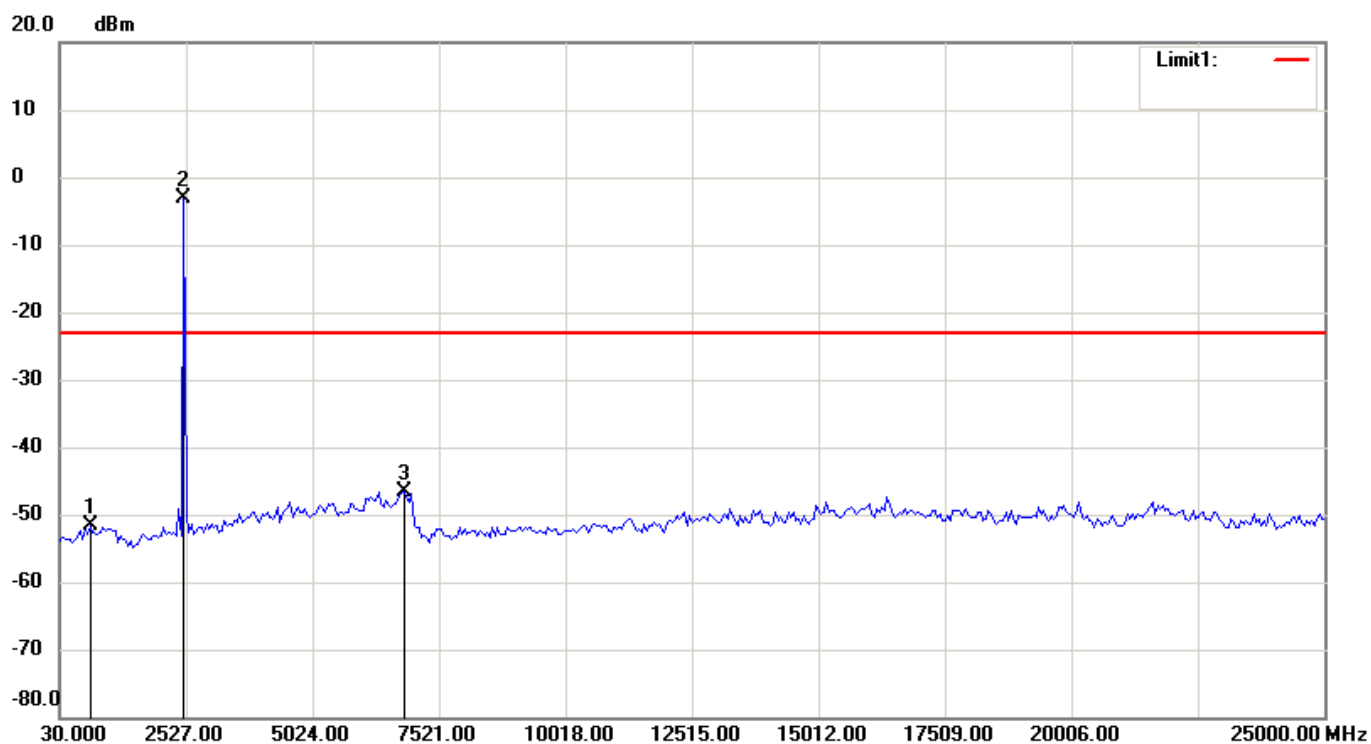
File: 20-07-MAS-052_BLE_2M_BT1
 Site: RF-Cond01

#12

Date: 2020/7/27

Temperature: 23 °C

Humidity: 56 %



Condition: -23.14dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel HIGH-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	629.2800	-51.58
2	2477.06000	-3.14
3	6821.84000	-46.61

9.4.2 BLE_Module2

9.4.2.1 測試模式：Mode C

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度: 60%

- a. 下邊緣頻帶：距下頻帶邊緣40MHz內最大混附波產生於 2391.712 MHz，比主波低 20dB以上，合乎標準規定。
- b. 上邊緣頻帶：距上頻帶邊緣40MHz內最大混附波產生於 2484.82 MHz，比主波低 20dB以上，合乎標準規定。

註：1. 繪圖資料請參考第 96-100 頁。

2. 量測不準確度:±1.5dB($1\text{GHz} \leq f \leq 18\text{GHz}$)

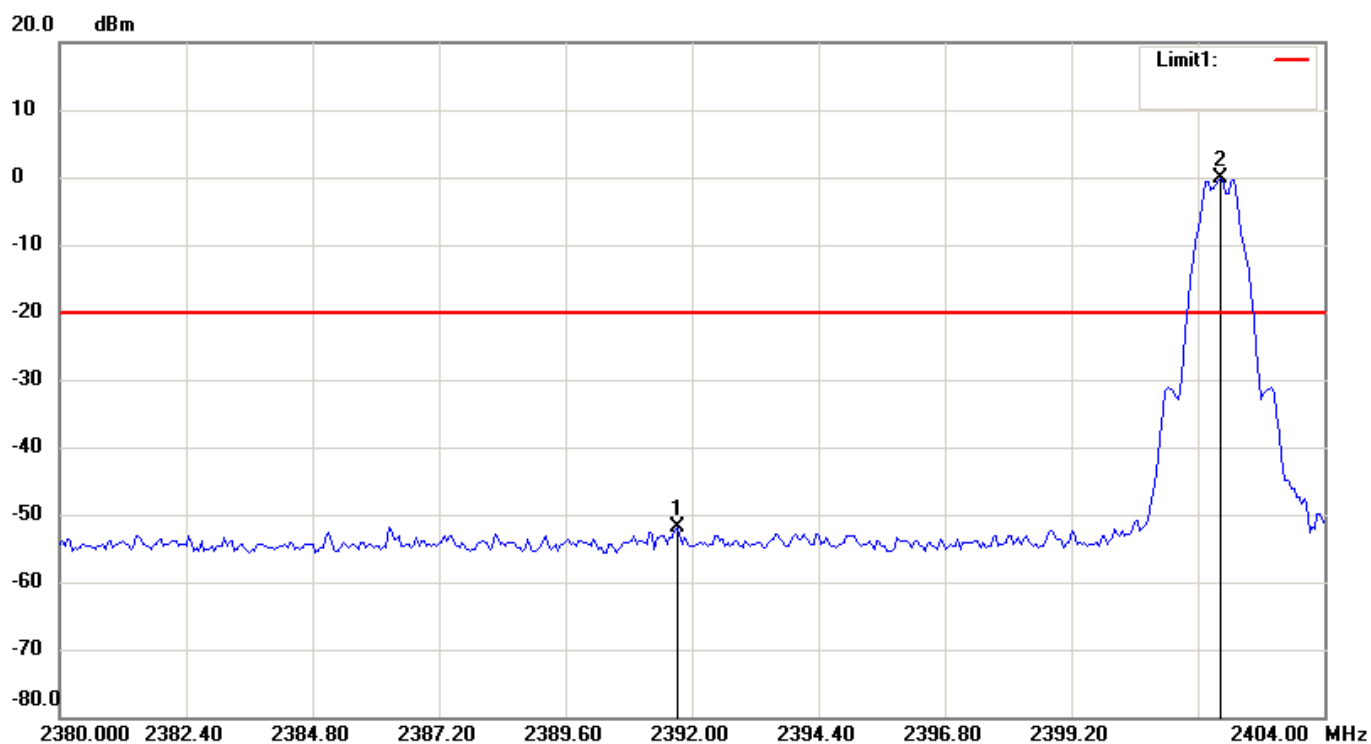
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#5

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.17dBm
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_1M
 Note: NCC_LP0002_Channel LOW-Bandedge

RF Conducted
 Sweep Time: 1.01ms Att.: 25dB
 RBW: 100 KHz VBW: 300 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2391.71200	-51.79
2	2402.03200	-0.17

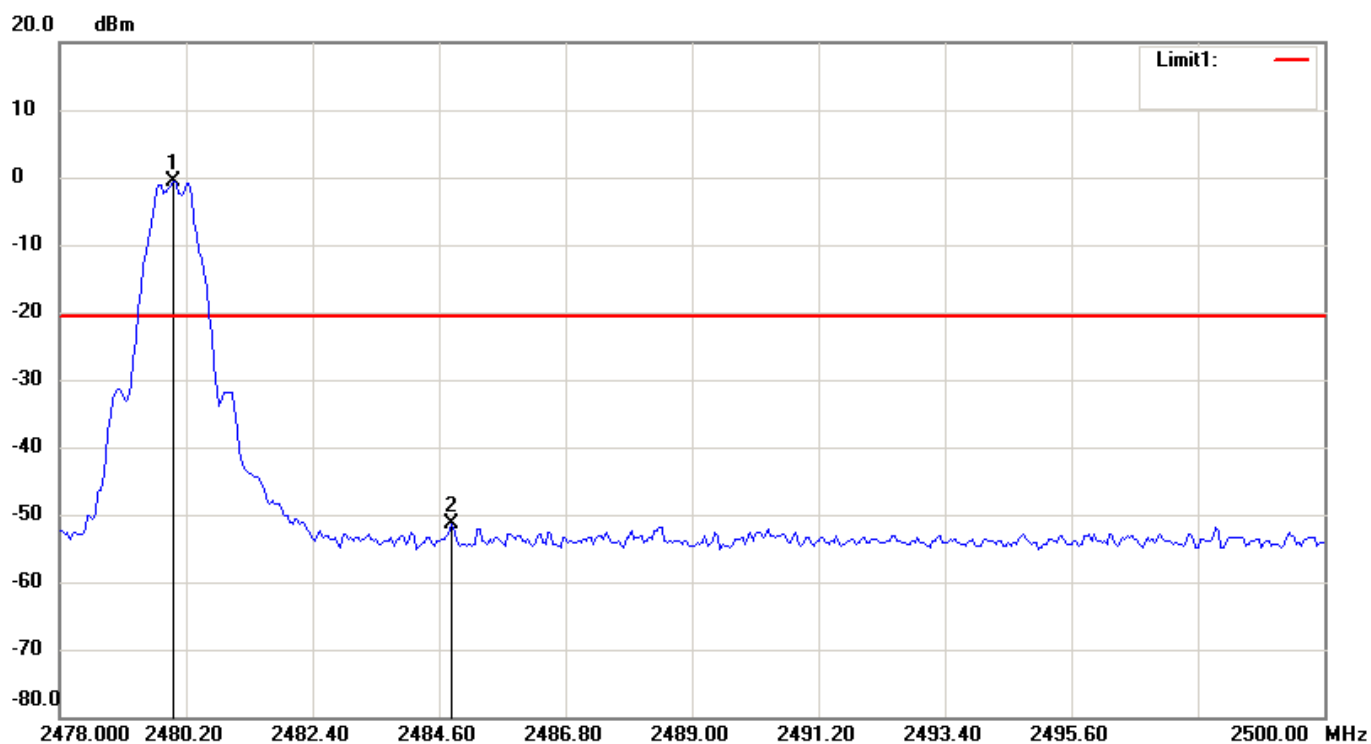
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#14

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.66dBm
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_1M
 Note: NCC_LP0002_Channel High-Bandedge

RF Conducted
 Sweep Time: 1.02ms Att.: 25dB
 RBW: 100 KHz VBW: 300 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.98000	-0.66
2	2484.82000	-51.48

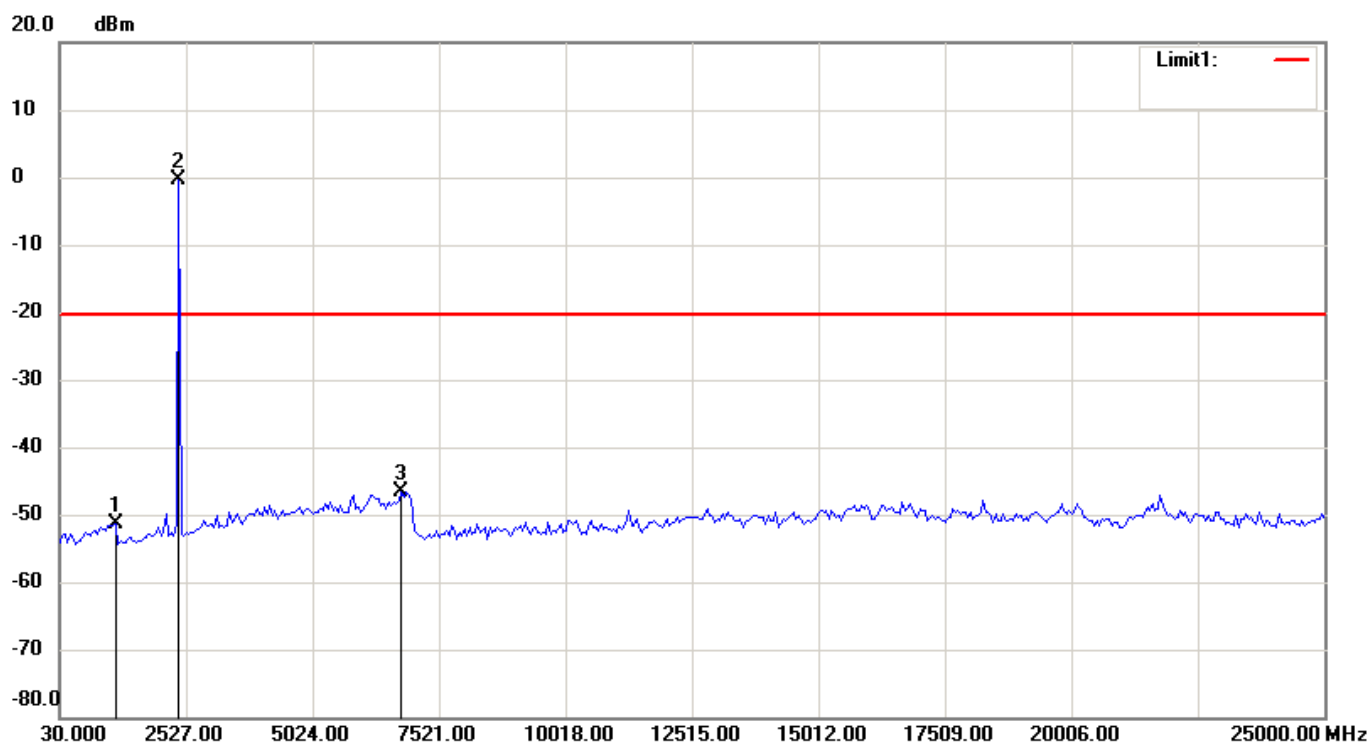
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#3

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.25dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel LOW-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	1128.68000	-51.42
2	2377.18000	-0.25
3	6771.90000	-46.58

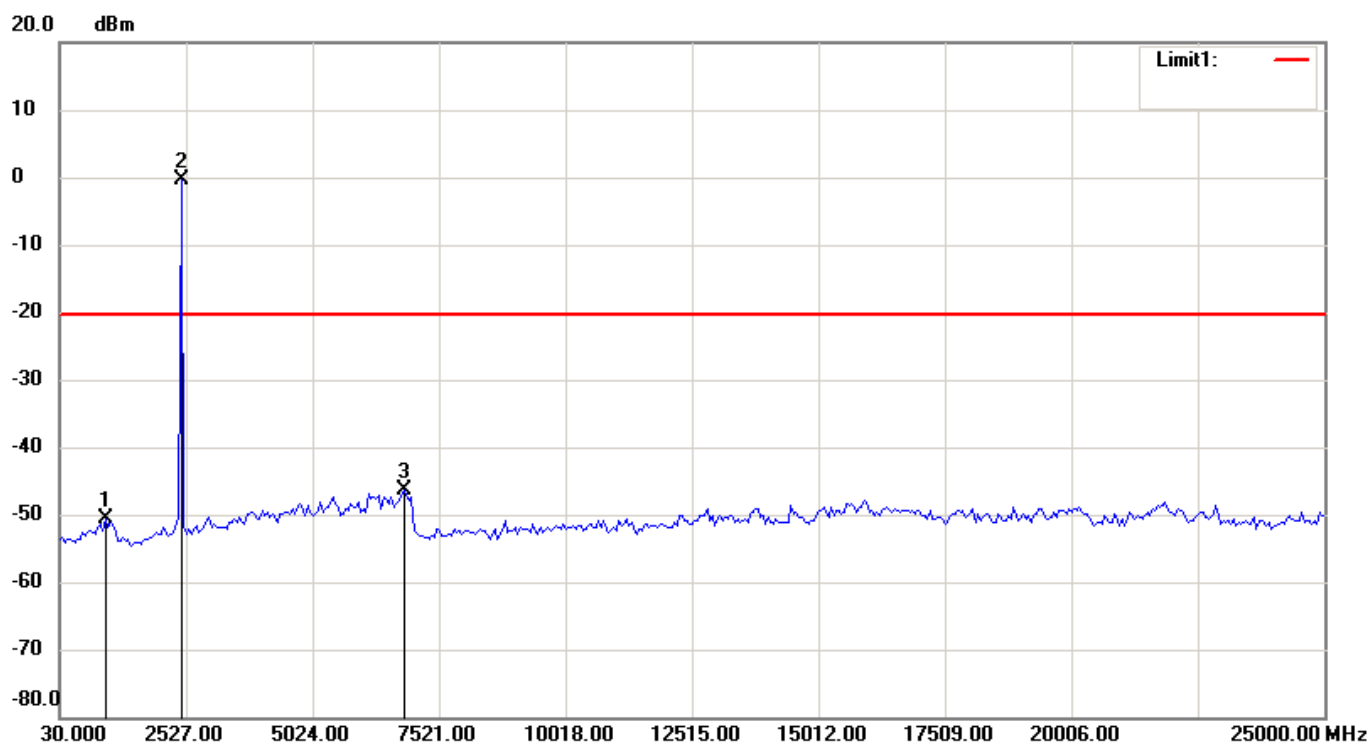
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#8

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.46dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel MID-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	928.9200	-50.52
2	2427.12000	-0.46
3	6821.84000	-46.38

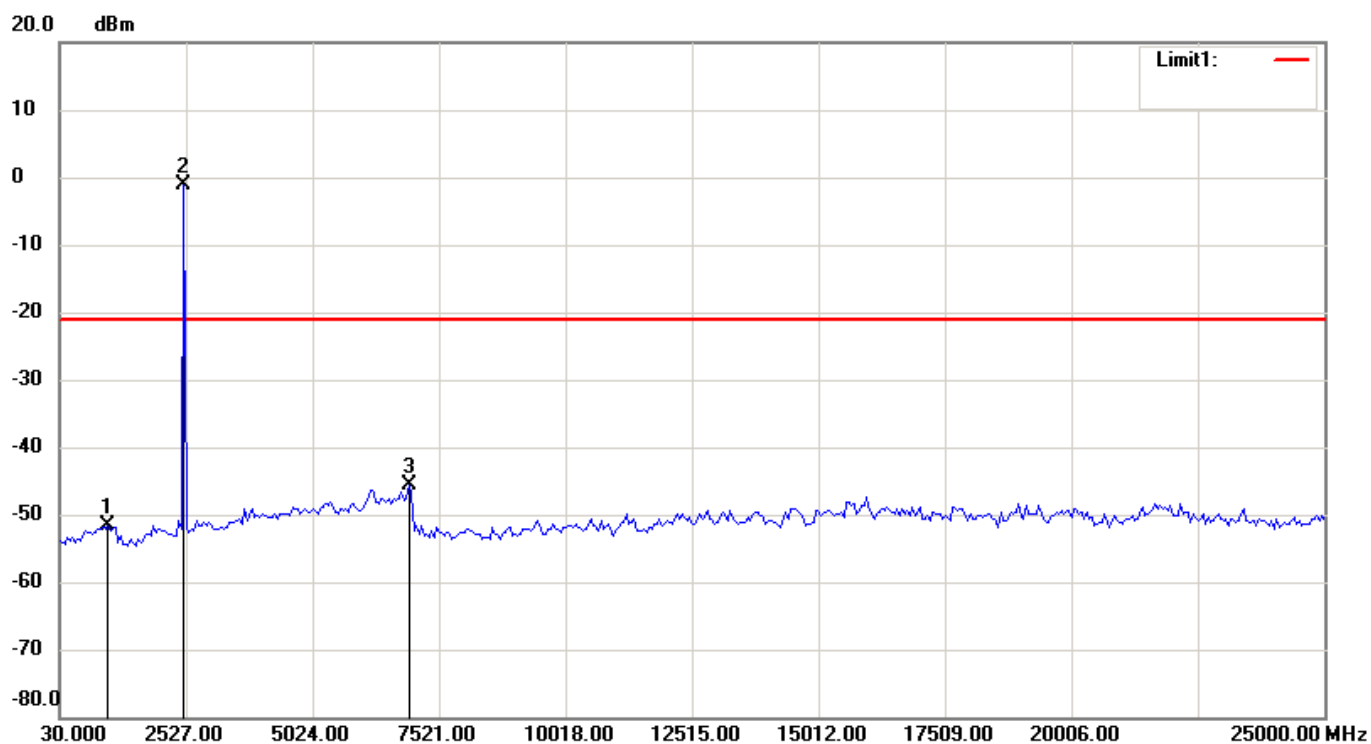
File: 20-07-MAS-052_BLE_1M_BT2
 Site: RF-Cond01

#12

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -21.16dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_1M

Note: NCC_LP0002_Channel HIGH-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	978.8600	-51.59
2	2477.06000	-1.16
3	6921.72000	-45.69

9.4.2.2 測試模式：Mode D

測試日期：Jul. 28, 2020

環境溫度：25°C

環境濕度: 60%

- a. 下邊緣頻帶：距下頻帶邊緣40MHz內最大混附波產生於 2399.968 MHz，比主波低 20dB以上，合乎標準規定。
- b. 上邊緣頻帶：距上頻帶邊緣40MHz內最大混附波產生於 2490.496 MHz，比主波低 20dB以上，合乎標準規定。

註：1. 繪圖資料請參考第 102-106 頁。

2. 量測不準確度:±1.5dB($1\text{GHz} \leq f \leq 18\text{GHz}$)

9.5 結果判定

混附波之發射皆低於使用頻帶內最高的射頻功率20dB以上，符合標準規定。

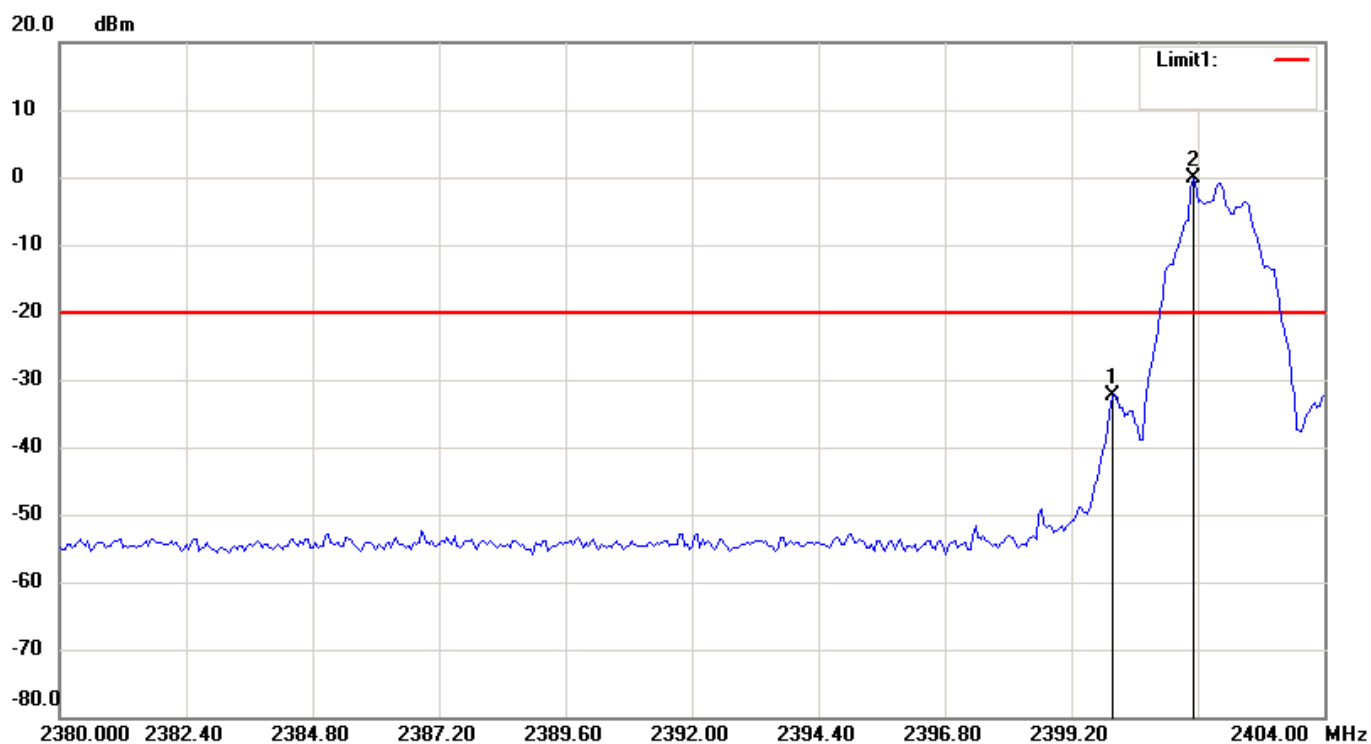
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#5

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.08dBm
EUT: PlayStation5 console (Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: NCC_LP0002_Channel LOW-Bandedge

RF Conducted
Sweep Time: 1.01ms Att.: 25dB
RBW: 100 KHz VBW: 300 KHz
Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2399.96800	-32.33
2	2401.50400	-0.08

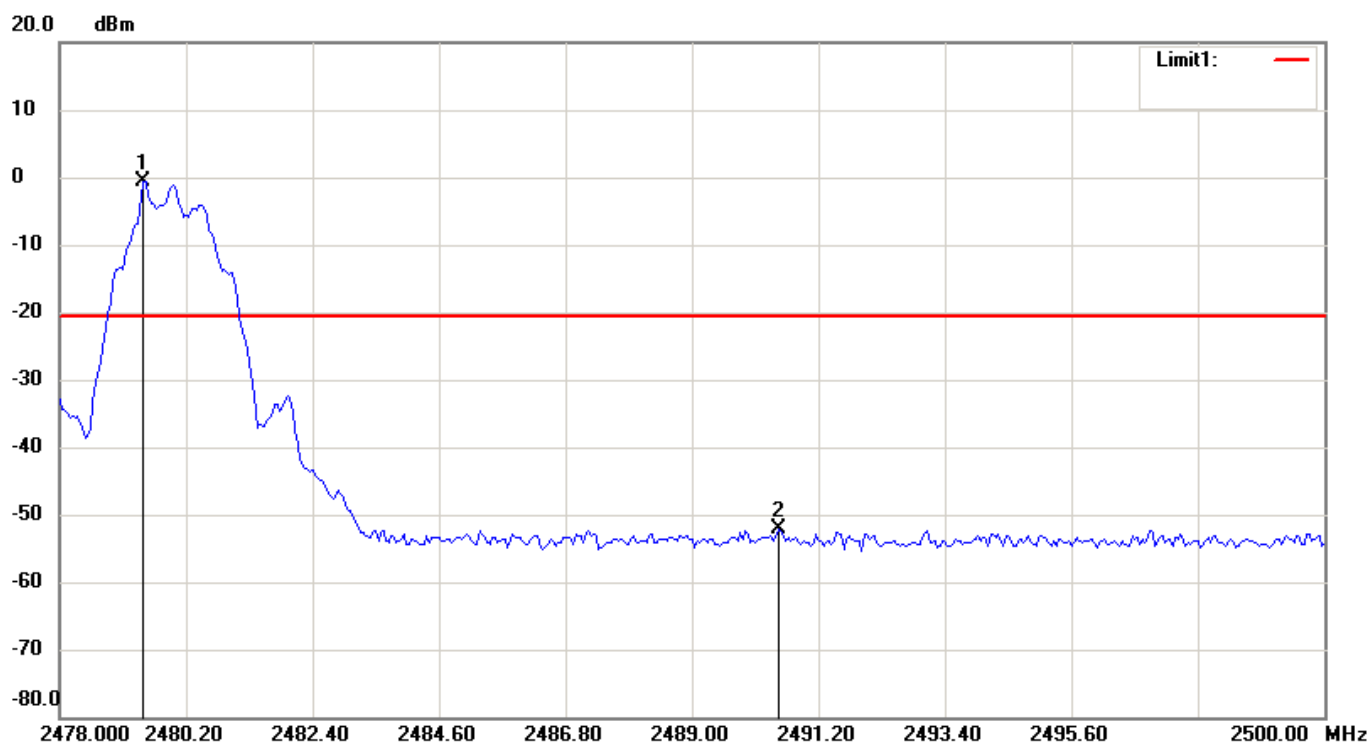
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#14

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.51dBm
 EUT: PlayStation5 console (Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M
 Note: NCC_LP0002_Channel High-Bandedge

RF Conducted
 Sweep Time: 1.02ms Att.: 25dB
 RBW: 100 KHz VBW: 300 KHz
 Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	2479.45200	-0.51
2	2490.49600	-52.13

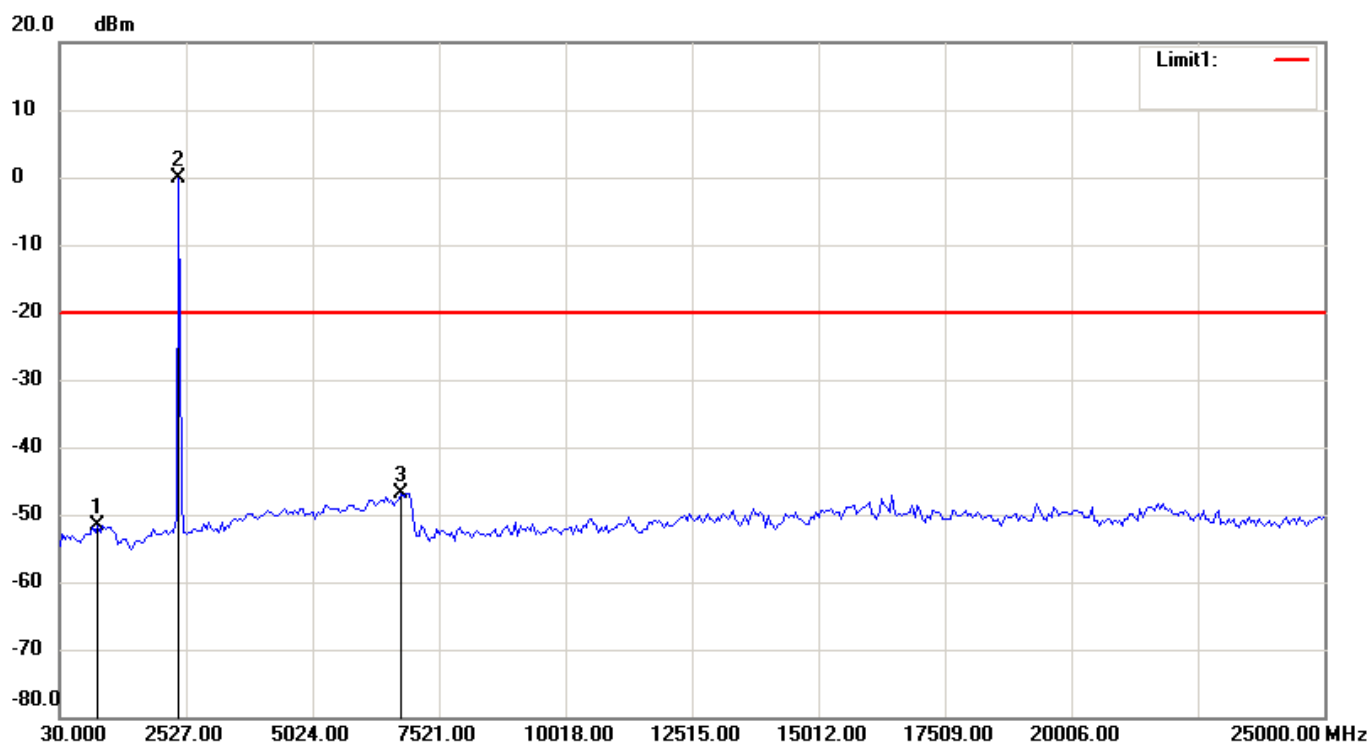
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#3

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.02dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel LOW-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	779.1000	-51.69
2	2377.18000	-0.02
3	6771.90000	-46.89

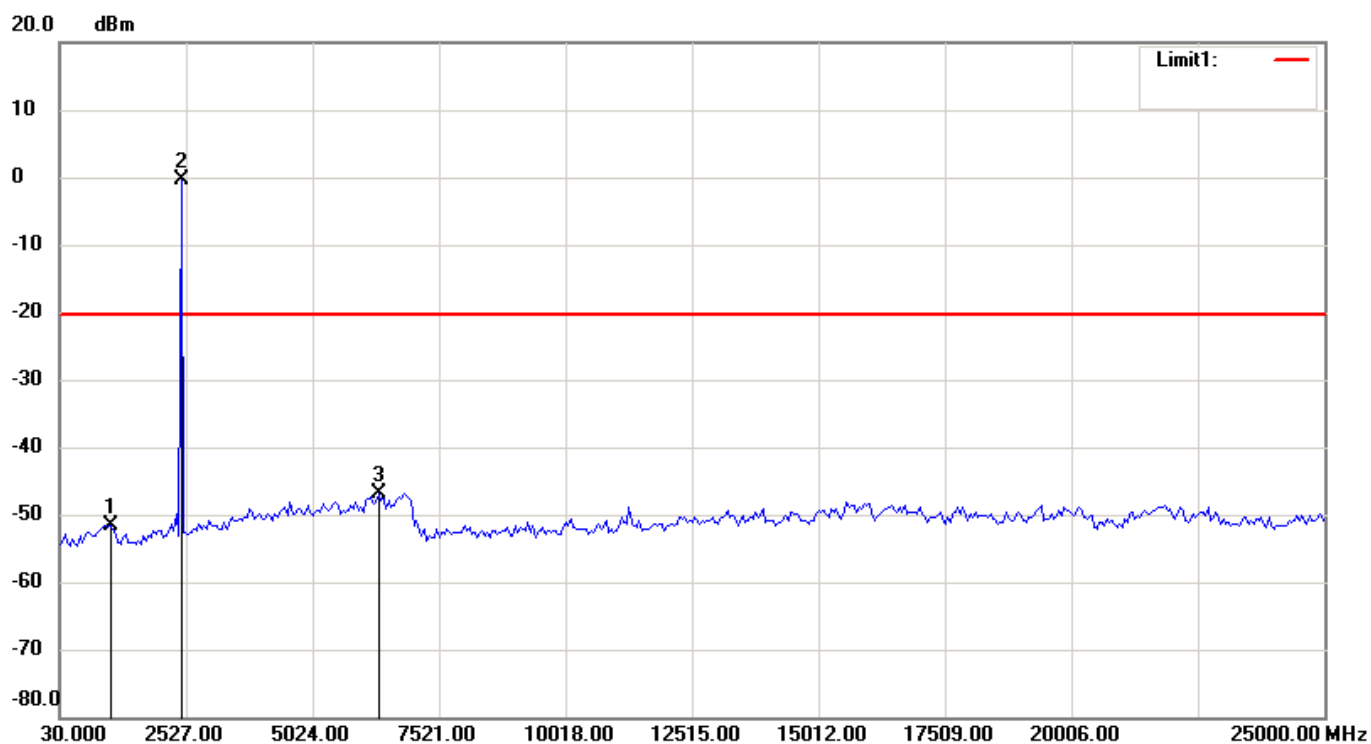
File: 20-07-MAS-052_BLE_2M_BT2
 Site: RF-Cond01

#8

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.46dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel MID-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz VBW: 300 KHz

Operator: Phillip

No.	Frequency(MHz)	Level(dBm)
1	1028.80000	-51.65
2	2427.12000	-0.46
3	6322.44000	-46.76

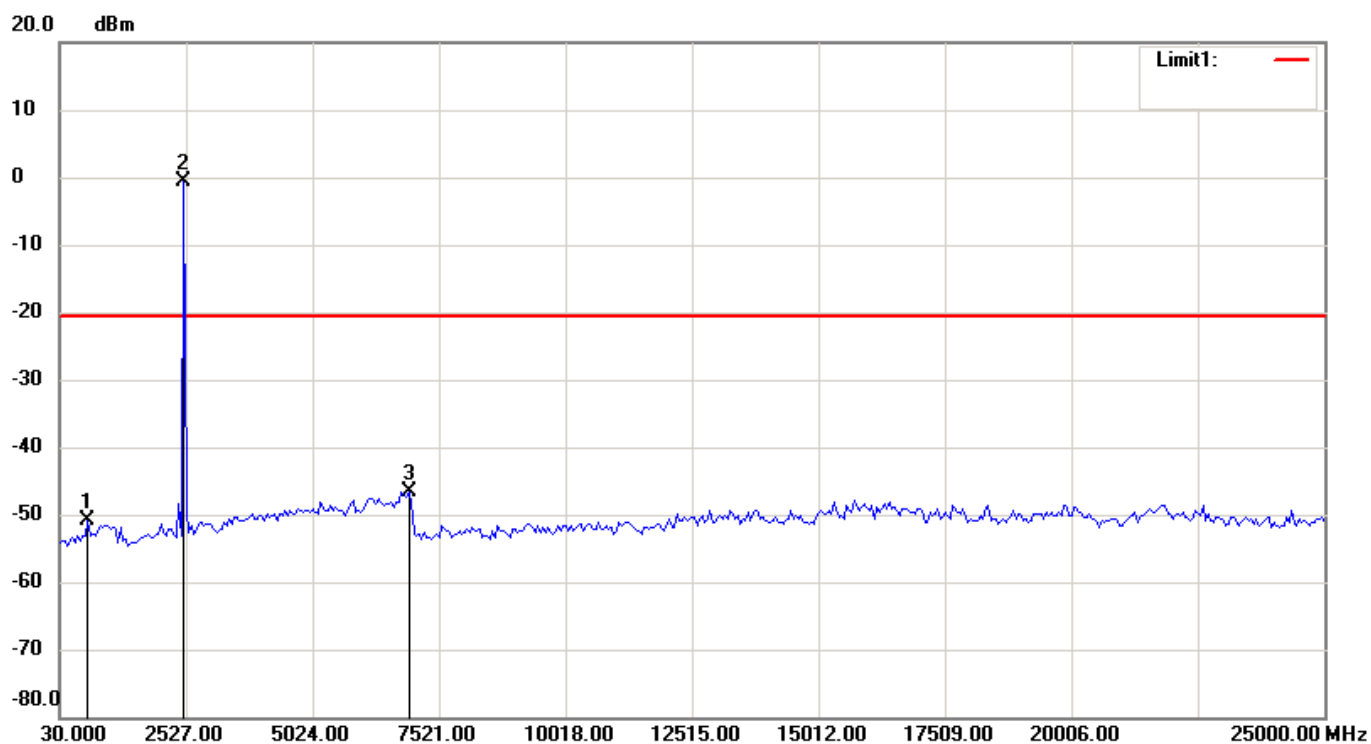
File: 20-07-MAS-052_BLE_2M_BT2
Site: RF-Cond01

#12

Date: 2020/7/28

Temperature: 25 °C

Humidity: 60 %



Condition: -20.64dBm

EUT: PlayStation5 console (Wireless)

Model: CFI-1018A

Test Mode: BLE_2M

Note: NCC_LP0002_Channel HIGH-Conducted Spurious

RF Conducted

Sweep Time: 250ms Att.: 25dB

RBW: 100 KHz

VBW: 300 KHz

Operator:

Phillip

No.	Frequency(MHz)	Level(dBm)
1	579.3400	-50.94
2	2477.06000	-0.64
3	6921.72000	-46.72

10 場強輻射之量測

10.1 適用標準

依據國家通訊傳播委員會低功率射頻電機技術規範3.10.1.5之要求，落於2.7節禁用頻段之輻射干擾需符合2.8節之一般限制要求。

10.2 量測方法

將待測物置於非金屬桌面，使其在測試模式狀態，且設定為高、中、低各頻道產生最高峰值輸出功率的傳輸速率，接收天線置於3米外，且桌面要360度旋轉，另外接收天線也要從1米至4米升降變化，接收天線置於水平、垂直極向各執行測試一次。待測物若為手持式則分別要以三軸相放置，並分別測試以找出最大輻射電場強度。

10.3 量測場強輻射之儀器

(1)量測儀器

儀器名稱	製造者	型號
EMI Receiver	R&S	ESCI
Spectrum Analyzer	R&S	FSU46
Horn Antenna	EMCO	3117
Horn Antenna	EMCO	3116
PRE-Amplifier	Agilent	8449B
PRE-Amplifier	Agilent	8447D
BiLog Antenna	ETC	MCTD 2786
Spectrum Analyzer	R&S	FSV

測試軟體: LZ-RF (Ver. ETC-3A2)

(2)儀器設定

Frequency Band (MHz)	Instrument	Function	Resolution Bandwidth	Video Bandwidth
30 to 1000	RF Test Receiver	Quasi-Peak	120 kHz	300 kHz
	RF Test Receiver	Peak	120 kHz	300 kHz
Above 1000	Spectrum Analyzer	Peak	1 MHz	1 MHz
	Spectrum Analyzer	Average	1 MHz	10 Hz

10.4 場強度之計算

場強之計算公式如下

$$\text{結果值} = \text{讀值} + \text{校正因子}$$

其中校正因子為：

天線因子+ 饋線損失 + 濾波器損失（若有使用） - 放大器增益（若有使用）
量測結果請見下頁。

10.5 場強輻射之量測結果

測試工程師:羅世勇

10.5.1 諧波發射量測值

10.5.1.1 BLE_Module1

10.5.1.1.1 測試模式：Mode A

A. Channel Low

操作模式：發射接收

基本波頻率：2402 MHz

測試日期：Aug. 10, 2020

環境溫度：23°C

環境濕度: 56%

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
4804.0000	H	---	---	1.02	---	---	74.0	54.0	---
4804.0000	V	---	---	1.02	---	---	74.0	54.0	---
7206.0000	H	---	---	3.64	---	---	74.0	54.0	---
7206.0000	V	---	---	3.64	---	---	74.0	54.0	---
9608.0000	H	---	---	4.64	---	---	74.0	54.0	---
9608.0000	V	---	---	4.64	---	---	74.0	54.0	---
12010.0000	H	---	---	7.96	---	---	74.0	54.0	---
12010.0000	V	---	---	7.96	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

B. Channel Mid

操作模式 : 發射接收

基本波頻率 : 2440 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4880.0000	H	---	---	1.18	---	---	74.0	54.0	---
4880.0000	V	---	---	1.18	---	---	74.0	54.0	---
7320.0000	H	---	---	3.67	---	---	74.0	54.0	---
7320.0000	V	---	---	3.67	---	---	74.0	54.0	---
9760.0000	H	---	---	4.83	---	---	74.0	54.0	---
9760.0000	V	---	---	4.83	---	---	74.0	54.0	---
12200.0000	H	---	---	8.33	---	---	74.0	54.0	---
12200.0000	V	---	---	8.33	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

操作模式 : 發射接收

基本波頻率 : 2480 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4960.0000	H	---	---	1.36	---	---	74.0	54.0	---
4960.0000	V	---	---	1.36	---	---	74.0	54.0	---
7440.0000	H	---	---	3.70	---	---	74.0	54.0	---
7440.0000	V	---	---	3.70	---	---	74.0	54.0	---
9920.0000	H	---	---	5.03	---	---	74.0	54.0	---
9920.0000	V	---	---	5.03	---	---	74.0	54.0	---
14880.0000	H	---	---	10.78	---	---	74.0	54.0	---
14880.0000	V	---	---	10.78	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.1.1.2 測試模式：Mode B

A. Channel Low

操作模式：發射接收

基本波頻率：2402 MHz

測試日期：Aug. 10, 2020

環境溫度：23℃

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					
4804.0000	H	---	---	1.02	---	---	74.0	54.0	---
4804.0000	V	---	---	1.02	---	---	74.0	54.0	---
7206.0000	H	---	---	3.64	---	---	74.0	54.0	---
7206.0000	V	---	---	3.64	---	---	74.0	54.0	---
9608.0000	H	---	---	4.64	---	---	74.0	54.0	---
9608.0000	V	---	---	4.64	---	---	74.0	54.0	---
12010.0000	H	---	---	7.96	---	---	74.0	54.0	---
12010.0000	V	---	---	7.96	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

B. Channel Mid

操作模式 : 發射接收

基本波頻率 : 2440 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (dB) (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
4880.0000	H	---	---	1.18	---	---	74.0	54.0	---
4880.0000	V	---	---	1.18	---	---	74.0	54.0	---
7320.0000	H	---	---	3.67	---	---	74.0	54.0	---
7320.0000	V	---	---	3.67	---	---	74.0	54.0	---
9760.0000	H	---	---	4.83	---	---	74.0	54.0	---
9760.0000	V	---	---	4.83	---	---	74.0	54.0	---
12200.0000	H	---	---	8.33	---	---	74.0	54.0	---
12200.0000	V	---	---	8.33	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

操作模式 : 發射接收

基本波頻率 : 2480 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4960.0000	H	---	---	1.36	---	---	74.0	54.0	---
4960.0000	V	---	---	1.36	---	---	74.0	54.0	---
7440.0000	H	---	---	3.70	---	---	74.0	54.0	---
7440.0000	V	---	---	3.70	---	---	74.0	54.0	---
9920.0000	H	---	---	5.03	---	---	74.0	54.0	---
9920.0000	V	---	---	5.03	---	---	74.0	54.0	---
14880.0000	H	---	---	10.78	---	---	74.0	54.0	---
14880.0000	V	---	---	10.78	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.1.2 BLE_Module2**10.5.1.2.1 測試模式：Mode C****A. Channel Low**

操作模式：發射接收

基本波頻率：2402 MHz

測試日期：Aug. 10, 2020

環境溫度：23℃

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4804.0000	H	---	---	1.02	---	---	74.0	54.0	---
4804.0000	V	---	---	1.02	---	---	74.0	54.0	---
7206.0000	H	---	---	3.64	---	---	74.0	54.0	---
7206.0000	V	---	---	3.64	---	---	74.0	54.0	---
9608.0000	H	---	---	4.64	---	---	74.0	54.0	---
9608.0000	V	---	---	4.64	---	---	74.0	54.0	---
12010.0000	H	---	---	7.96	---	---	74.0	54.0	---
12010.0000	V	---	---	7.96	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

B. Channel Mid

操作模式 : 發射接收

基本波頻率 : 2440 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4880.0000	H	---	---	1.18	---	---	74.0	54.0	---
4880.0000	V	---	---	1.18	---	---	74.0	54.0	---
7320.0000	H	---	---	3.67	---	---	74.0	54.0	---
7320.0000	V	---	---	3.67	---	---	74.0	54.0	---
9760.0000	H	---	---	4.83	---	---	74.0	54.0	---
9760.0000	V	---	---	4.83	---	---	74.0	54.0	---
12200.0000	H	---	---	8.33	---	---	74.0	54.0	---
12200.0000	V	---	---	8.33	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

操作模式 : 發射接收

基本波頻率 : 2480 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率 (MHz)	天線 極性 H/V	機器讀值 (dBuV/m)@3m		校正 因子 (dB)	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (dB) (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
4960.0000	H	---	---	1.36	---	---	74.0	54.0	---
4960.0000	V	---	---	1.36	---	---	74.0	54.0	---
7440.0000	H	---	---	3.70	---	---	74.0	54.0	---
7440.0000	V	---	---	3.70	---	---	74.0	54.0	---
9920.0000	H	---	---	5.03	---	---	74.0	54.0	---
9920.0000	V	---	---	5.03	---	---	74.0	54.0	---
14880.0000	H	---	---	10.78	---	---	74.0	54.0	---
14880.0000	V	---	---	10.78	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.1.2.2 測試模式：Mode D

A. Channel Low

操作模式：發射接收

基本波頻率：2402 MHz

測試日期：Aug. 10, 2020

環境溫度：23℃

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse) (dB)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					
4804.0000	H	---	---	1.02	---	---	74.0	54.0	---
4804.0000	V	---	---	1.02	---	---	74.0	54.0	---
7206.0000	H	---	---	3.64	---	---	74.0	54.0	---
7206.0000	V	---	---	3.64	---	---	74.0	54.0	---
9608.0000	H	---	---	4.64	---	---	74.0	54.0	---
9608.0000	V	---	---	4.64	---	---	74.0	54.0	---
12010.0000	H	---	---	7.96	---	---	74.0	54.0	---
12010.0000	V	---	---	7.96	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

B. Channel Mid

操作模式 : 發射接收

基本波頻率 : 2440 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4880.0000	H	---	---	1.18	---	---	74.0	54.0	---
4880.0000	V	---	---	1.18	---	---	74.0	54.0	---
7320.0000	H	---	---	3.67	---	---	74.0	54.0	---
7320.0000	V	---	---	3.67	---	---	74.0	54.0	---
9760.0000	H	---	---	4.83	---	---	74.0	54.0	---
9760.0000	V	---	---	4.83	---	---	74.0	54.0	---
12200.0000	H	---	---	8.33	---	---	74.0	54.0	---
12200.0000	V	---	---	8.33	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

操作模式 : 發射接收

基本波頻率 : 2480 MHz

測試日期 : Aug. 10, 2020

環境溫度 : 23°C

環境濕度: 56%

輻射 頻率	天線 極性	機器讀值 (dBuV/m)@3m		校正 因子	結果值 (dBuV/m)@3m		限制值 (dBuV/m)@3m		餘裕值 (worse)
		Peak	AVG		Peak	AVG	Peak	AVG	
(MHz)	H/V			(dB)					(dB)
4960.0000	H	---	---	1.36	---	---	74.0	54.0	---
4960.0000	V	---	---	1.36	---	---	74.0	54.0	---
7440.0000	H	---	---	3.70	---	---	74.0	54.0	---
7440.0000	V	---	---	3.70	---	---	74.0	54.0	---
9920.0000	H	---	---	5.03	---	---	74.0	54.0	---
9920.0000	V	---	---	5.03	---	---	74.0	54.0	---
14880.0000	H	---	---	10.78	---	---	74.0	54.0	---
14880.0000	V	---	---	10.78	---	---	74.0	54.0	---

註：1. 標記“---”表發射之訊號太弱而儀器無法量測。

2. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

3. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.2 諧波及其它不必要之訊號測試圖

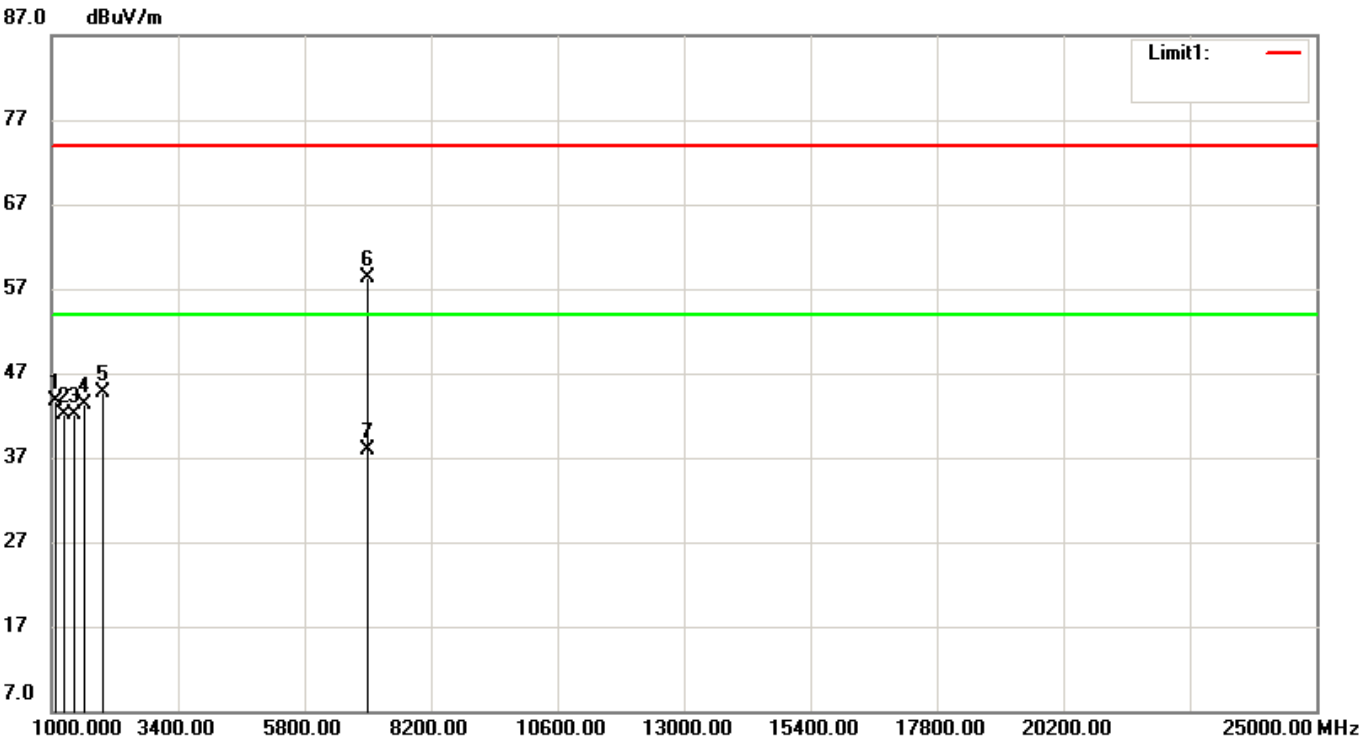
10.5.2.1 BLE_Module1

10.5.2.1.1 測試模式：Mode A

A. Channel Low

操作模式：發射接收
基本波頻率：2402 MHz

File: 20-07-MAS-052-BLE_1M_BT1 #45 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH LOW-1

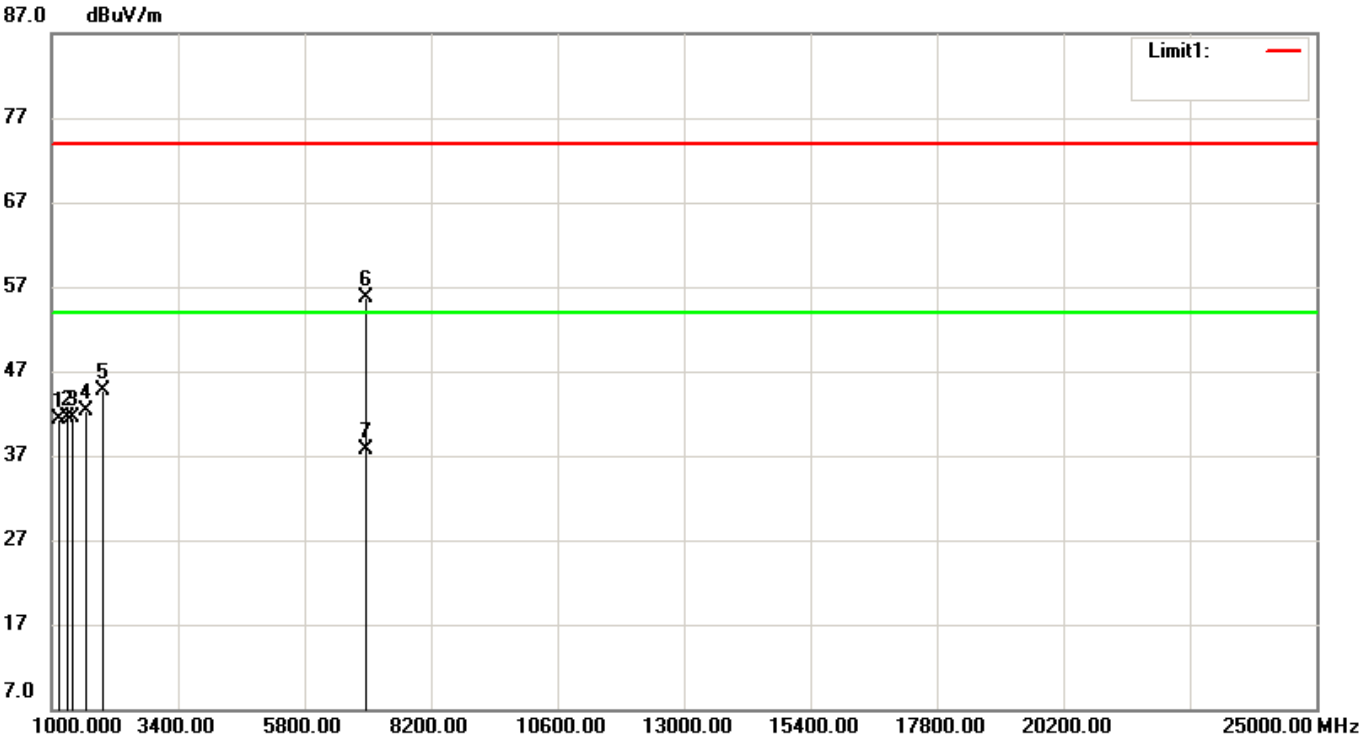
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1062.82100	52.97	peak	-9.31	43.66	74.00	-30.34
2	1208.65400	51.06	peak	-8.93	42.13	74.00	-31.87
3	1394.87200	50.52	peak	-8.45	42.07	74.00	-31.93
4	1599.03800	50.70	peak	-7.30	43.40	74.00	-30.60
5	1928.84600	49.06	peak	-4.36	44.70	74.00	-29.30
6*	6992.26600	54.96	peak	3.42	58.38	74.00	-15.62
7	6992.26600	34.53	AVG	3.42	37.95	54.00	-16.05

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2402 MHz

File: 20-07-MAS-052-BLE_1M_BT1 #46 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH LOW-1

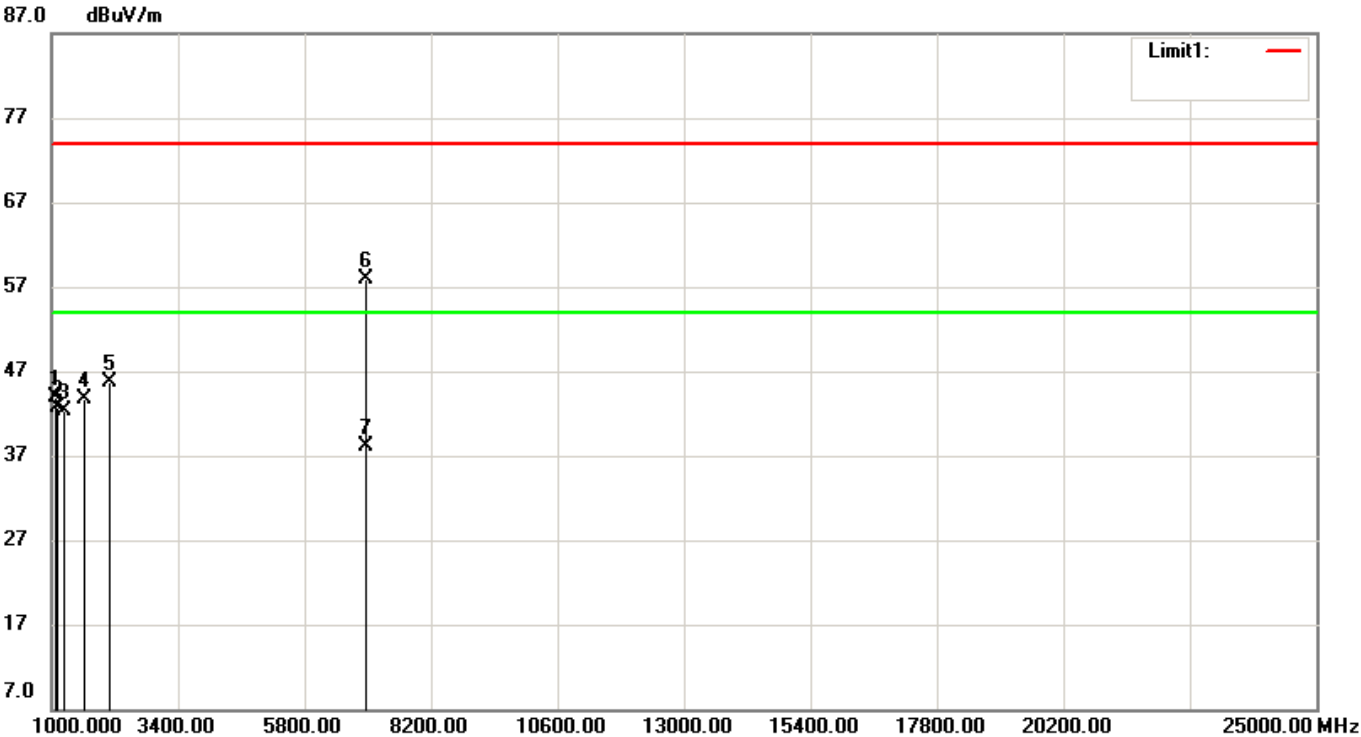
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1121.15380	50.56	peak	-9.16	41.40	74.00	-32.60
2	1280.44870	50.17	peak	-8.74	41.43	74.00	-32.57
3	1350.00000	50.02	peak	-8.57	41.45	74.00	-32.55
4	1646.15380	49.25	peak	-6.88	42.37	74.00	-31.63
5	1931.08970	49.10	peak	-4.34	44.76	74.00	-29.24
6	6947.66400	52.37	peak	3.40	55.77	74.00	-18.23
7*	6947.66400	34.32	AVG	3.40	37.72	54.00	-16.28

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

B. Channel Mid

操作模式 : 發射接收
基本波頻率 : 2440 MHz

File: 20-07-MAS-052-BLE_1M_BT1 #47 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH MID-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1071.79470	53.16	peak	-9.29	43.87	74.00	-30.13
2	1114.42300	51.87	peak	-9.17	42.70	74.00	-31.30
3	1197.43580	51.32	peak	-8.96	42.36	74.00	-31.64
4	1601.28200	51.01	peak	-7.28	43.73	74.00	-30.27
5	2081.41010	49.13	peak	-3.52	45.61	74.00	-28.39
6	6947.71470	54.42	peak	3.40	57.82	74.00	-16.18
7*	6947.71470	34.76	AVG	3.40	38.16	54.00	-15.84

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2440 MHz

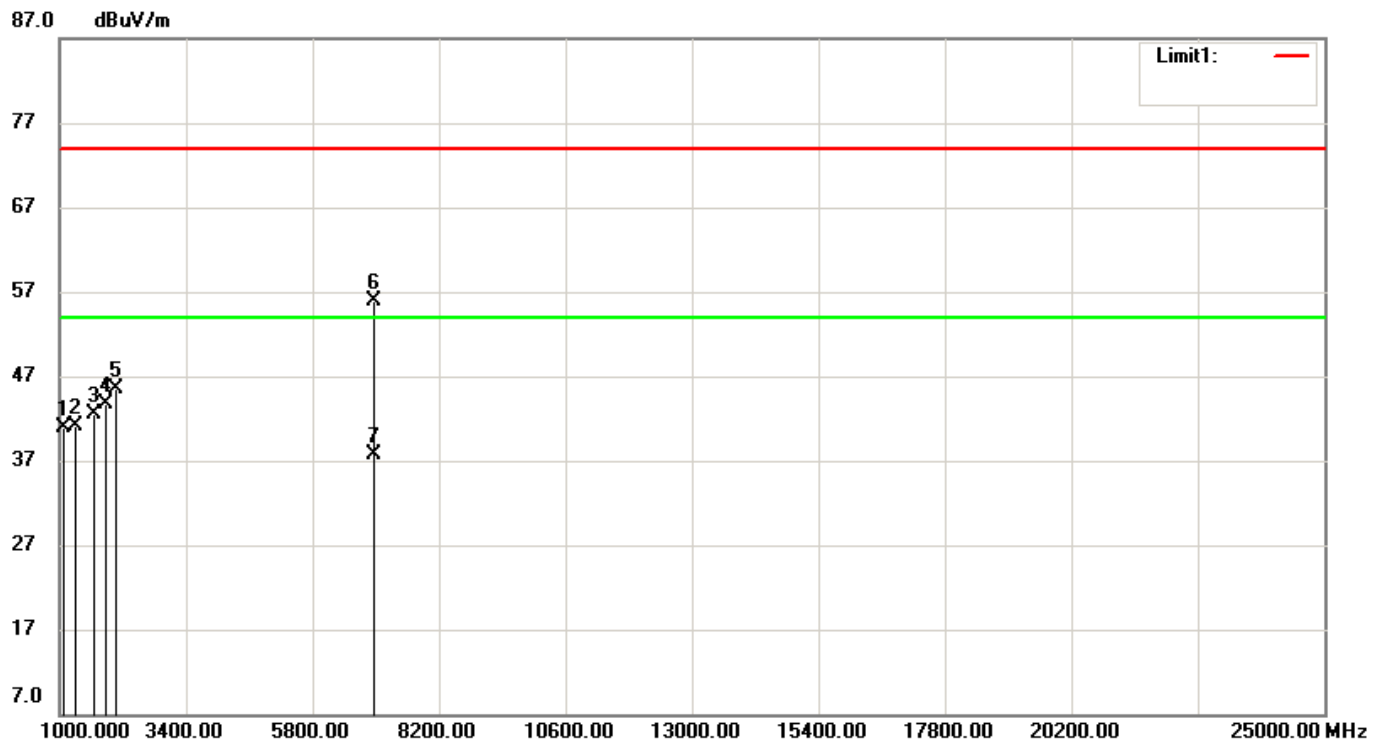
File: 20-07-MAS-052-BLE_1M_BT1
Site: RE02-EMC B1-N2

#48

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: CH MID-1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1058.33330	50.25	peak	-9.32	40.93	74.00	-33.07
2	1278.20500	49.93	peak	-8.76	41.17	74.00	-32.83
3	1616.98710	49.68	peak	-7.13	42.55	74.00	-31.45
4	1859.29480	48.77	peak	-4.98	43.79	74.00	-30.21
5	2038.78200	49.19	peak	-3.63	45.56	74.00	-28.44
6	6947.55400	52.49	peak	3.40	55.89	74.00	-18.11
7*	6947.55400	34.38	AVG	3.40	37.78	54.00	-16.22

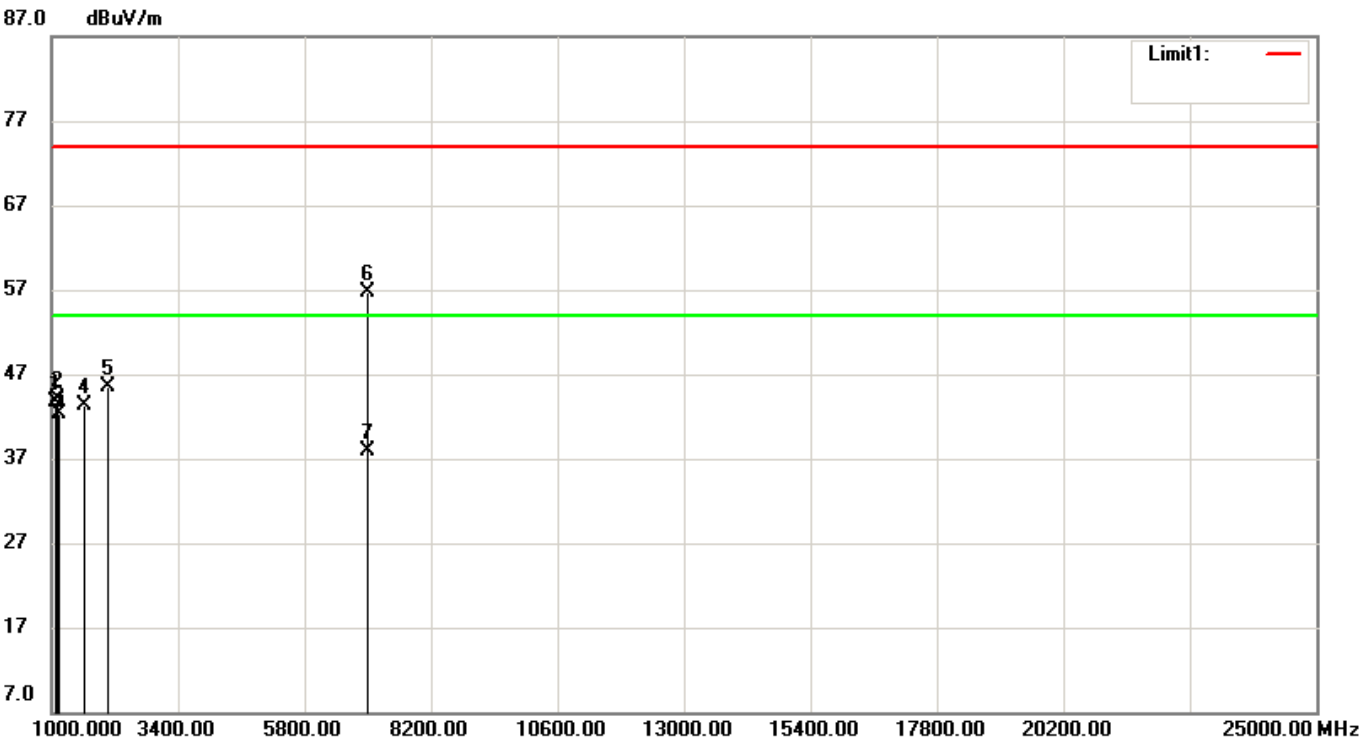
註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

操作模式 : 發射接收
基本波頻率 : 2480 MHz

File: 20-07-MAS-052-BLE_1M_BT1 #49 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH HIGH-1

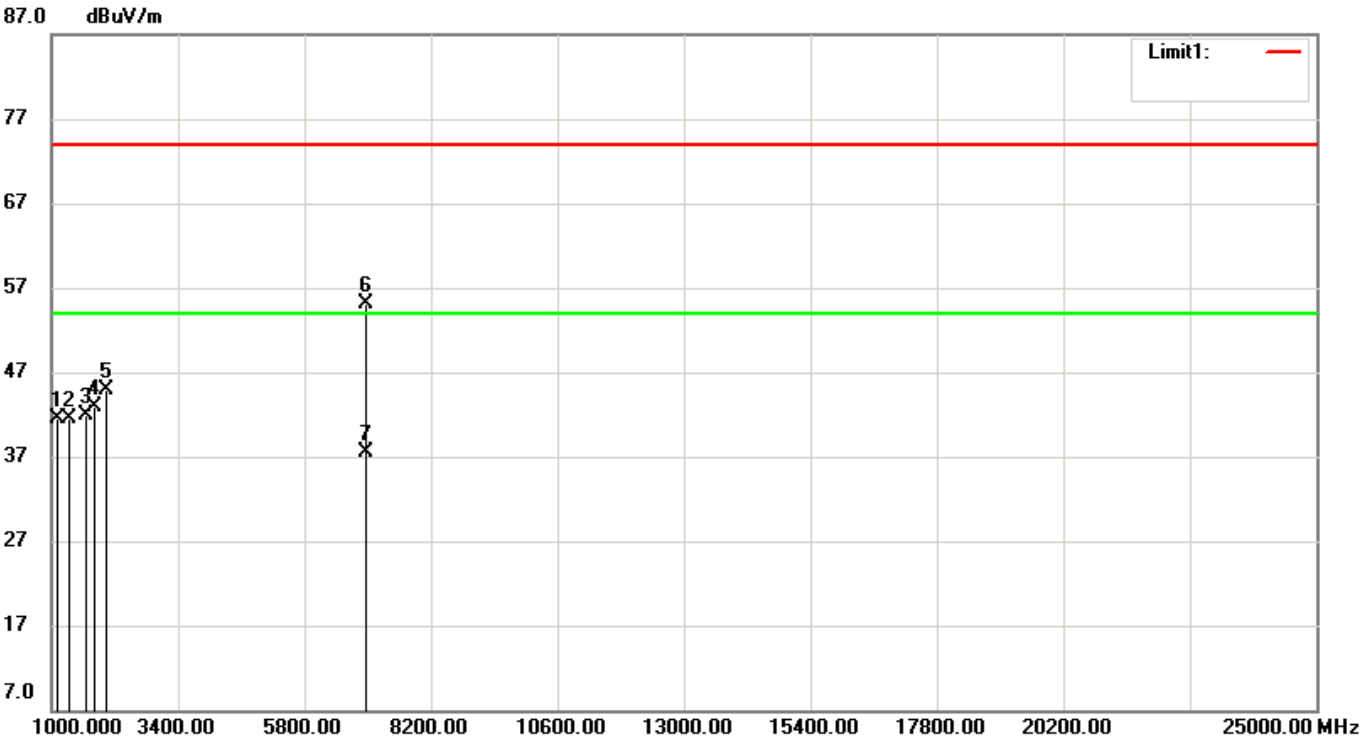
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1065.06410	53.05	peak	-9.31	43.74	74.00	-30.26
2	1085.25640	53.30	peak	-9.25	44.05	74.00	-29.95
3	1143.58970	51.35	peak	-9.10	42.25	74.00	-31.75
4	1601.28200	50.57	peak	-7.28	43.29	74.00	-30.71
5	2054.48710	49.19	peak	-3.59	45.60	74.00	-28.40
6	6992.13280	53.36	peak	3.42	56.78	74.00	-17.22
7*	6992.13280	34.53	AVG	3.42	37.95	54.00	-16.05

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2480 MHz

File: 20-07-MAS-052-BLE_1M_BT1 #50 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1085.25640	50.83	peak	-9.25	41.58	74.00	-32.42
2	1318.58970	50.19	peak	-8.65	41.54	74.00	-32.46
3	1632.69230	48.91	peak	-7.00	41.91	74.00	-32.09
4	1778.52560	48.55	peak	-5.70	42.85	74.00	-31.15
5	2020.83330	48.53	peak	-3.68	44.85	74.00	-29.15
6	6952.52240	51.77	peak	3.40	55.17	74.00	-18.83
7*	6952.52240	34.04	AVG	3.40	37.44	54.00	-16.56

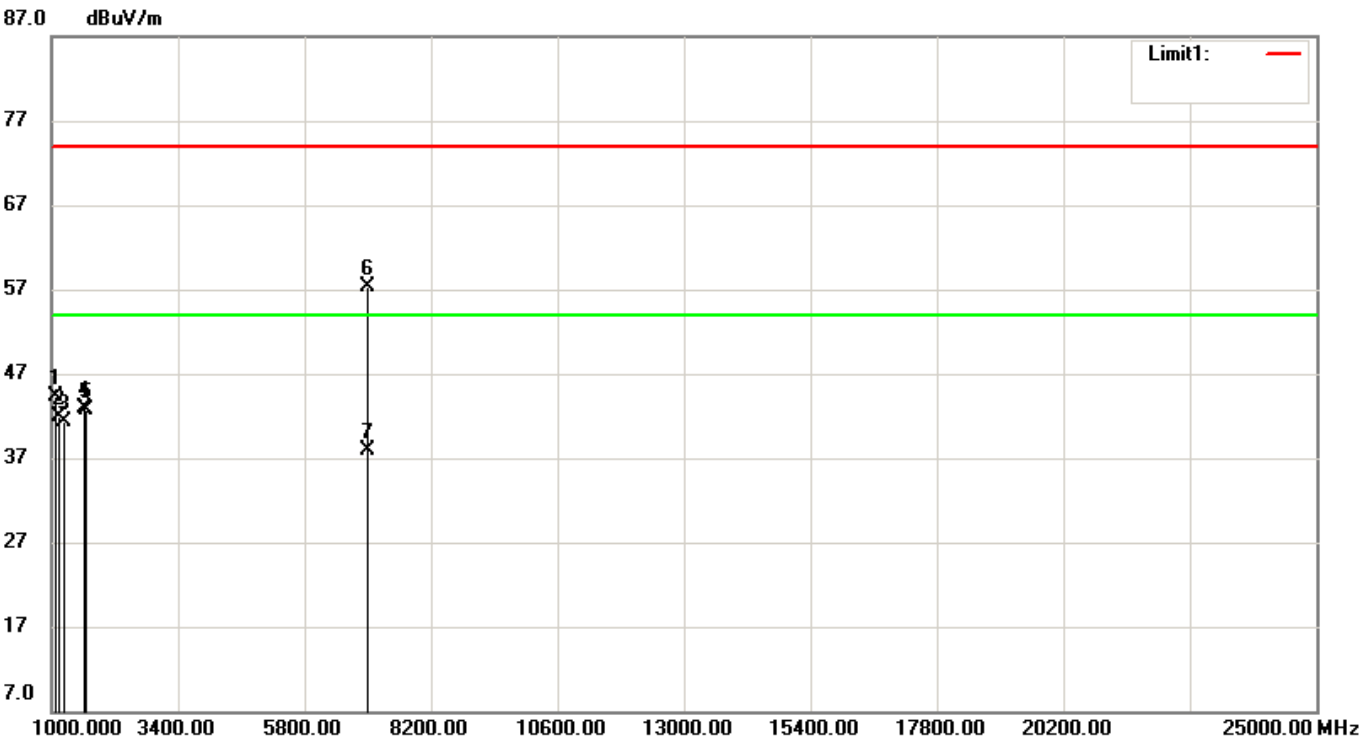
註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.2.1.2 測試模式：Mode B

A. Channel Low

操作模式：發射接收
基本波頻率：2402 MHz

File: 20-07-MAS-052-BLE_2M_BT1 #41 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH LOW-1

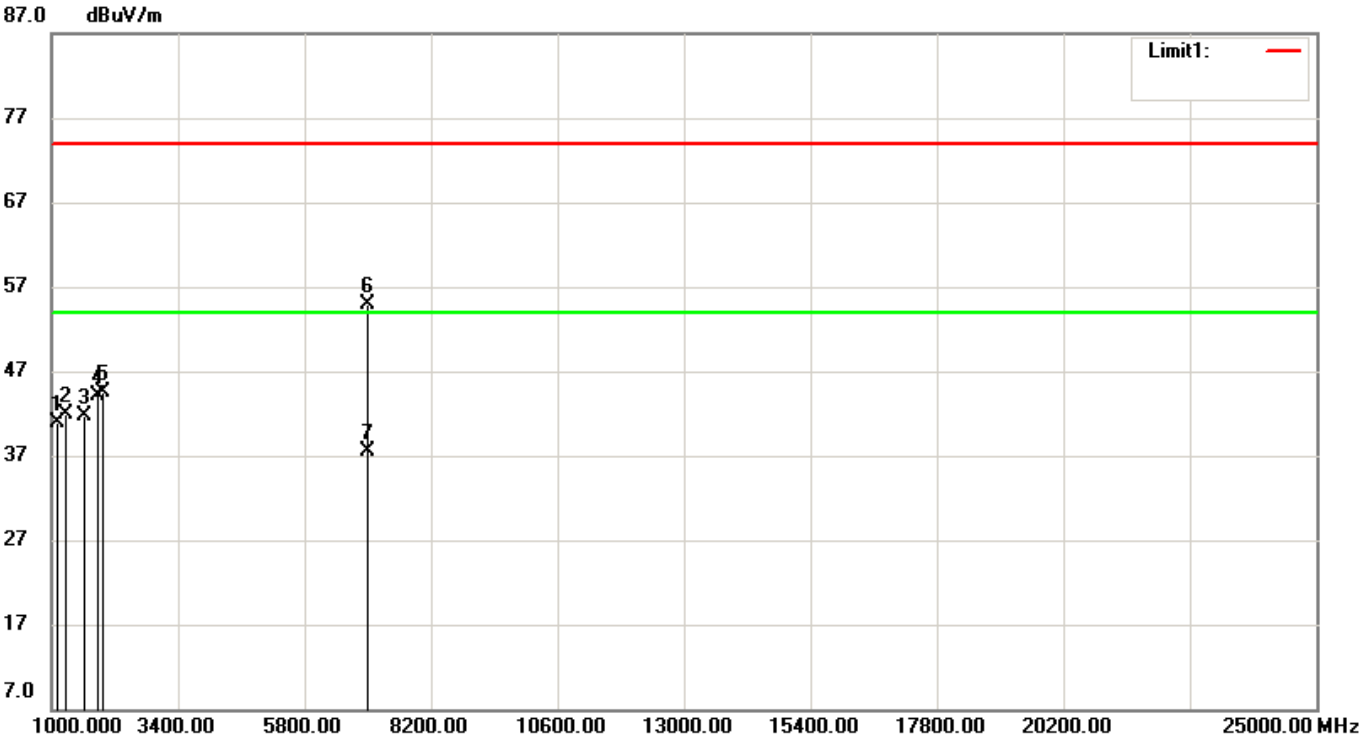
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1065.06410	53.61	peak	-9.31	44.30	74.00	-29.70
2	1139.10250	51.02	peak	-9.11	41.91	74.00	-32.09
3	1224.35900	50.18	peak	-8.89	41.29	74.00	-32.71
4	1599.03840	50.23	peak	-7.30	42.93	74.00	-31.07
5	1634.93580	49.65	peak	-6.98	42.67	74.00	-31.33
6	6992.13280	53.86	peak	3.42	57.28	74.00	-16.72
7*	6992.13280	34.52	AVG	3.42	37.94	54.00	-16.06

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2402 MHz

File: 20-07-MAS-052-BLE_2M_BT1 #42 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH LOW-1

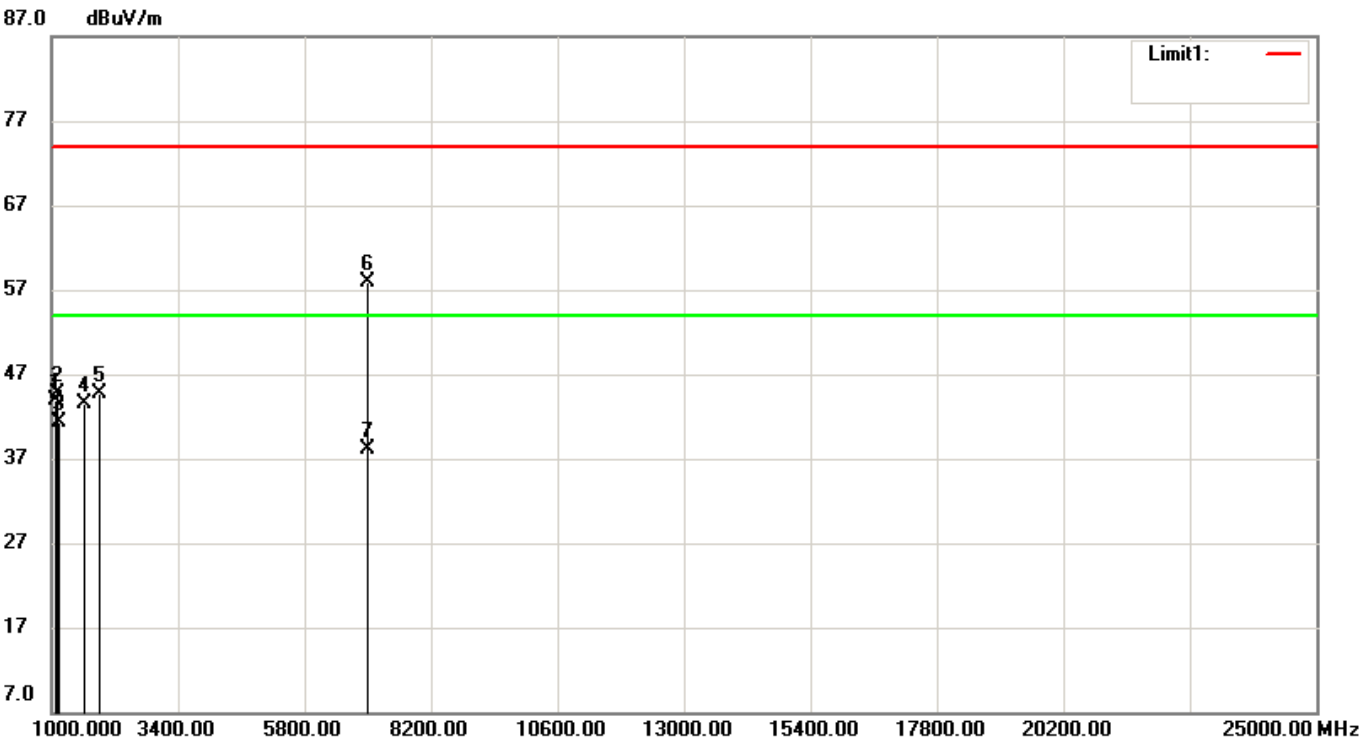
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1078.52560	50.17	peak	-9.26	40.91	74.00	-33.09
2	1266.98710	50.67	peak	-8.79	41.88	74.00	-32.12
3	1594.55120	49.06	peak	-7.33	41.73	74.00	-32.27
4	1872.75640	48.97	peak	-4.86	44.11	74.00	-29.89
5	1924.35900	48.97	peak	-4.41	44.56	74.00	-29.44
6	6992.29310	51.54	peak	3.42	54.96	74.00	-19.04
7*	6992.29310	34.00	AVG	3.42	37.42	54.00	-16.58

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

B. Channel Mid

操作模式 : 發射接收
基本波頻率 : 2440 MHz

File: 20-07-MAS-052-BLE_2M_BT1 #43 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH MID-1

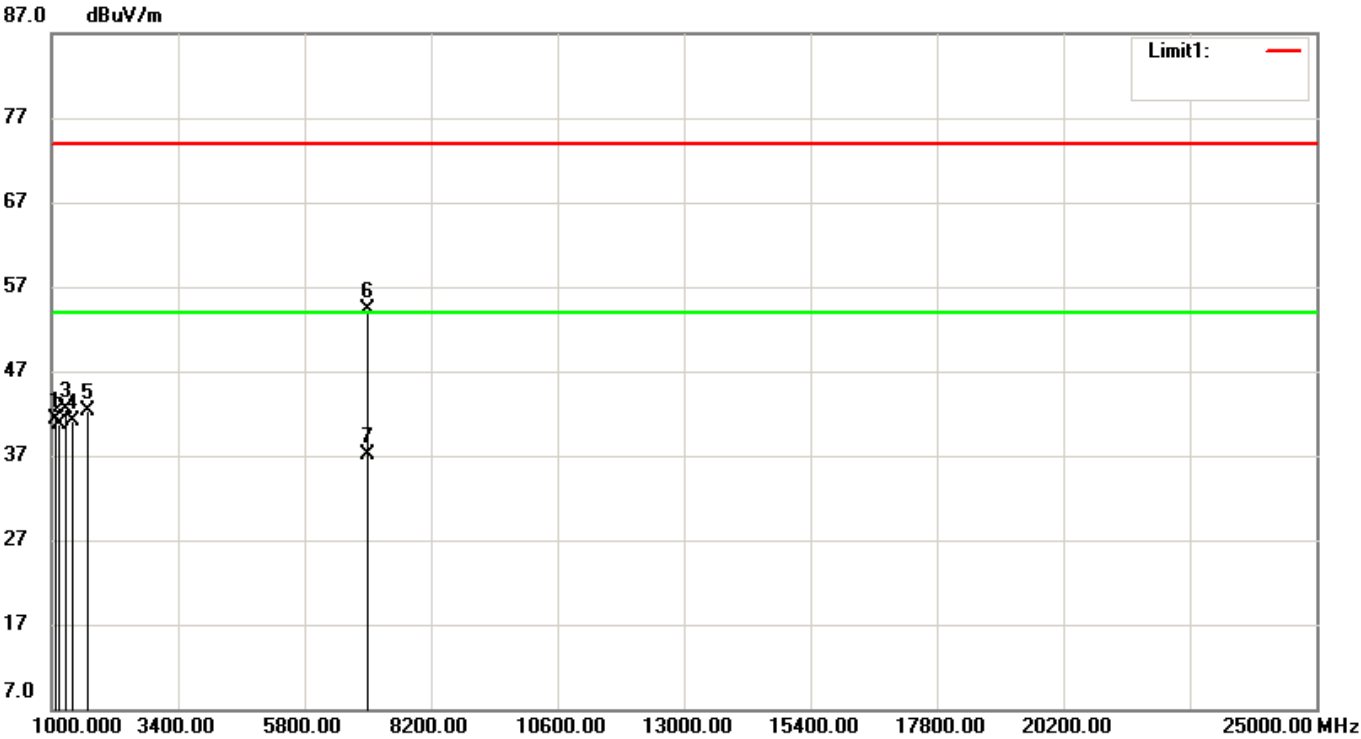
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1067.30760	53.23	peak	-9.29	43.94	74.00	-30.06
2	1078.52560	53.90	peak	-9.26	44.64	74.00	-29.36
3	1116.66660	50.54	peak	-9.17	41.37	74.00	-32.63
4	1601.28200	50.86	peak	-7.28	43.58	74.00	-30.42
5	1901.92300	49.29	peak	-4.61	44.68	74.00	-29.32
6	6991.81230	54.51	peak	3.42	57.93	74.00	-16.07
7*	6991.81230	34.60	AVG	3.42	38.02	54.00	-15.98

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2440 MHz

File: 20-07-MAS-052-BLE_2M_BT1 #44 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH MID-1

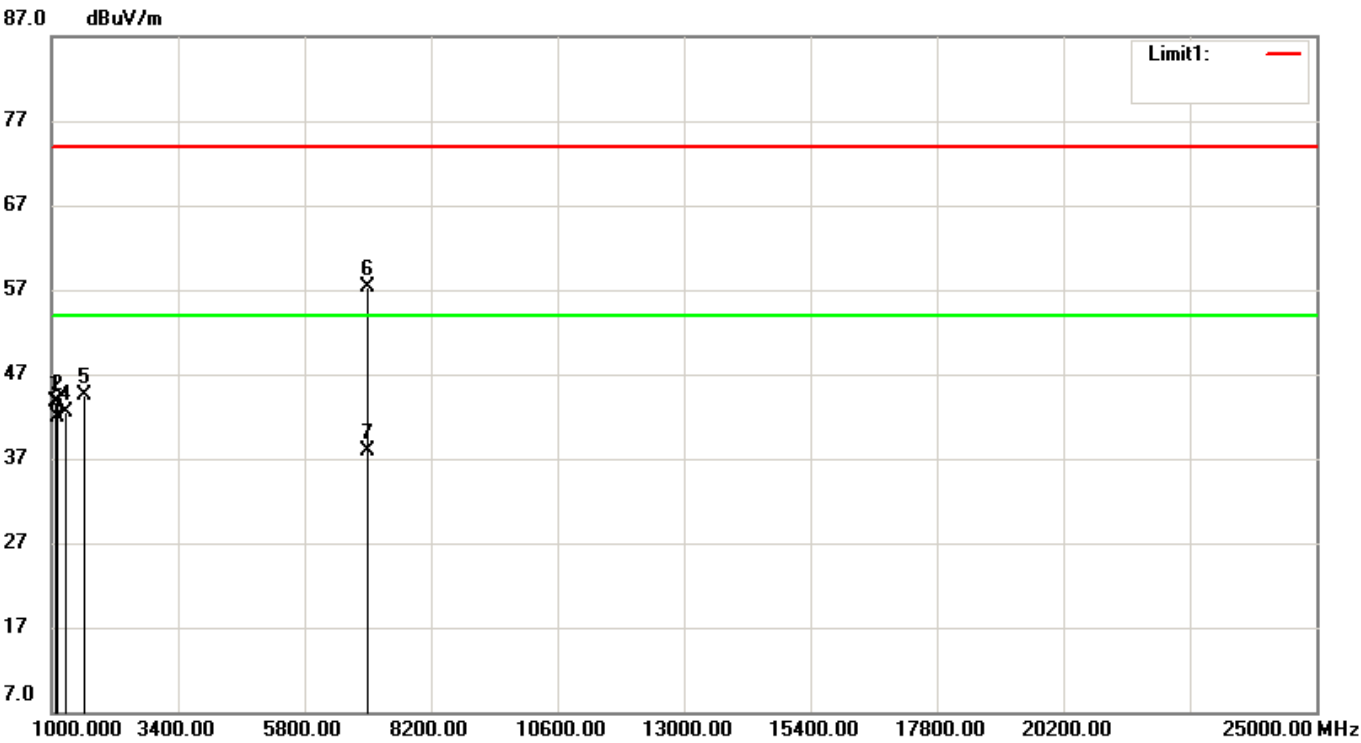
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1067.30760	50.69	peak	-9.29	41.40	74.00	-32.60
2	1143.58970	49.83	peak	-9.10	40.73	74.00	-33.27
3	1266.98710	51.35	peak	-8.79	42.56	74.00	-31.44
4	1367.94870	49.63	peak	-8.52	41.11	74.00	-32.89
5	1684.29480	48.82	peak	-6.54	42.28	74.00	-31.72
6	6990.53030	50.97	peak	3.42	54.39	74.00	-19.61
7*	6990.53030	33.77	AVG	3.42	37.19	54.00	-16.81

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

C. Channel High

操作模式 : 發射接收
基本波頻率 : 2480 MHz

File: 20-07-MAS-052-BLE_2M_BT1 #45 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1062.82050	53.09	peak	-9.31	43.78	74.00	-30.22
2	1083.01280	52.94	peak	-9.26	43.68	74.00	-30.32
3	1114.42300	51.09	peak	-9.17	41.92	74.00	-32.08
4	1269.23070	51.27	peak	-8.77	42.50	74.00	-31.50
5	1596.79470	51.72	peak	-7.31	44.41	74.00	-29.59
6	6991.65210	53.80	peak	3.42	57.22	74.00	-16.78
7*	6991.65210	34.54	AVG	3.42	37.96	54.00	-16.04

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2480 MHz

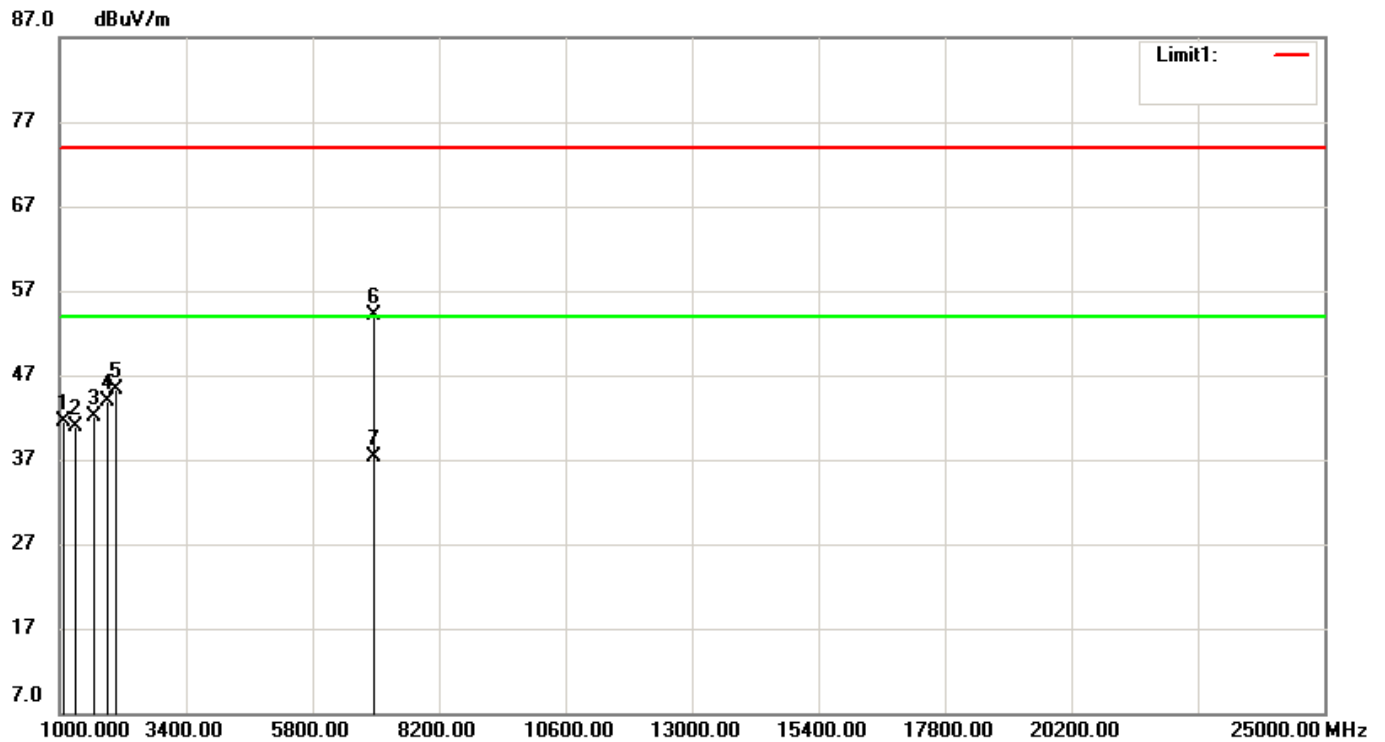
File: 20-07-MAS-052-BLE_2M_BT1
Site: RE02-EMC B1-N2

#46

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: CH HIGH-1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1060.57700	50.84	peak	-9.31	41.53	74.00	-32.47
2	1284.93580	49.59	peak	-8.73	40.86	74.00	-33.14
3	1637.17940	49.13	peak	-6.96	42.17	74.00	-31.83
4	1897.43580	48.58	peak	-4.64	43.94	74.00	-30.06
5	2065.70510	48.78	peak	-3.56	45.22	74.00	-28.78
6	6947.74180	50.66	peak	3.40	54.06	74.00	-19.94
7*	6947.74180	34.00	AVG	3.40	37.40	54.00	-16.60

註: 1. 若以峰值檢測功能測量之值符合平均值限制值, 則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

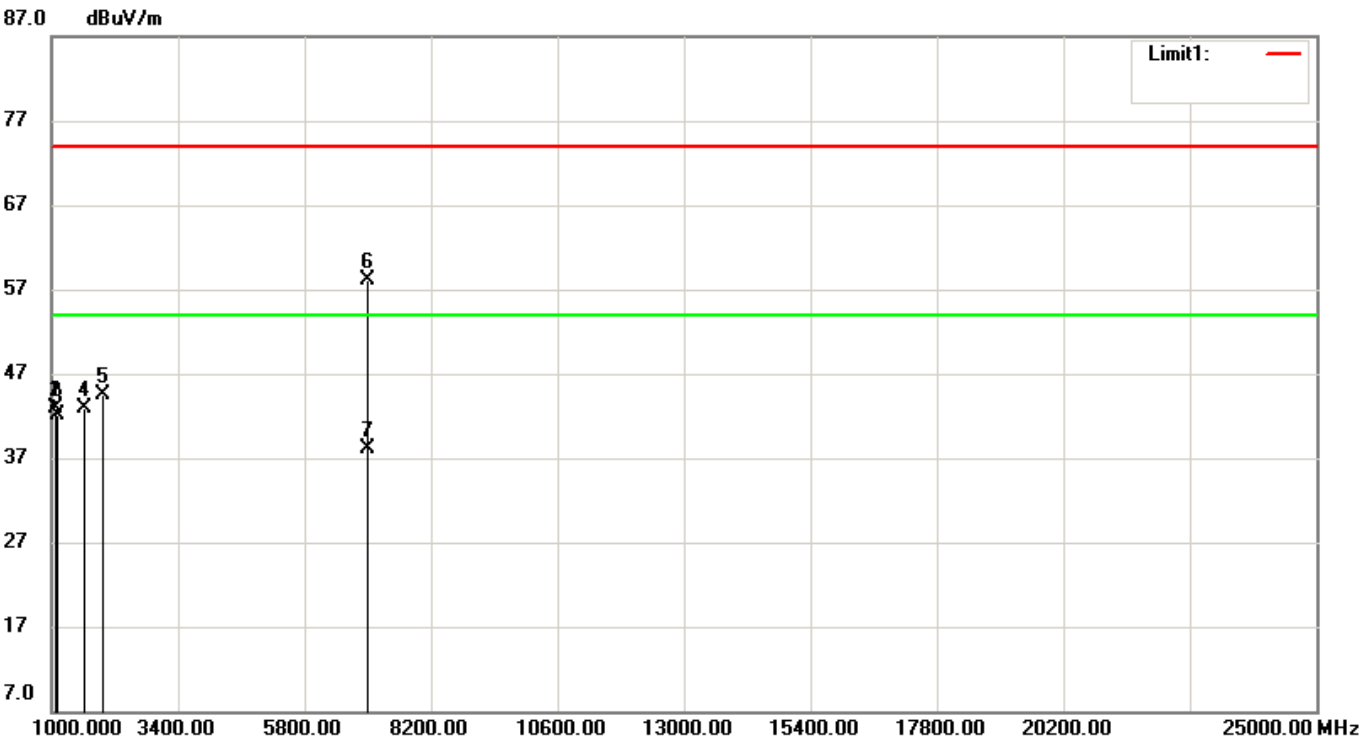
10.5.2.2 BLE_Module2

10.5.2.2.1 測試模式：Mode C

A. Channel Low

操作模式：發射接收
基本波頻率：2402 MHz

File: 20-07-MAS-052-BLE_1M_BT2 #42 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH LOW-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1044.87170	52.25	peak	-9.35	42.90	74.00	-31.10
2	1067.30760	52.17	peak	-9.29	42.88	74.00	-31.12
3	1114.42300	51.37	peak	-9.17	42.20	74.00	-31.80
4	1601.28200	50.13	peak	-7.28	42.85	74.00	-31.15
5	1931.08970	48.84	peak	-4.34	44.50	74.00	-29.50
6	6991.67900	54.62	peak	3.42	58.04	74.00	-15.96
7*	6991.67900	34.65	AVG	3.42	38.07	54.00	-15.93

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2402 MHz

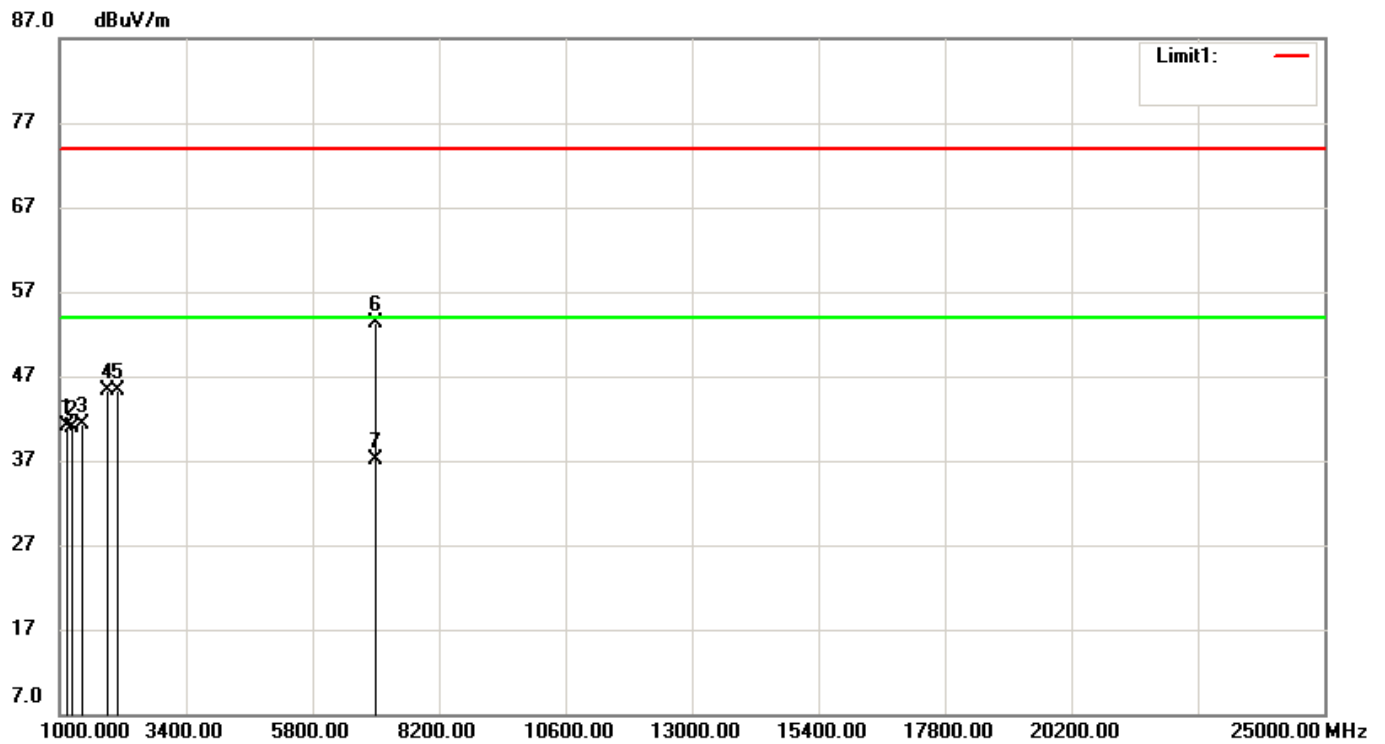
File: 20-07-MAS-052-BLE_1M_BT2
Site: RE02-EMC B1-N2

#43

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: CH LOW-1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1116.66660	50.18	peak	-9.17	41.01	74.00	-32.99
2	1215.38460	49.73	peak	-8.92	40.81	74.00	-33.19
3	1417.30760	49.70	peak	-8.39	41.31	74.00	-32.69
4	1901.92300	49.86	peak	-4.61	45.25	74.00	-28.75
5	2081.41010	48.89	peak	-3.52	45.37	74.00	-28.63
6	6964.09440	49.99	peak	3.40	53.39	74.00	-20.61
7*	6964.09440	33.75	AVG	3.40	37.15	54.00	-16.85

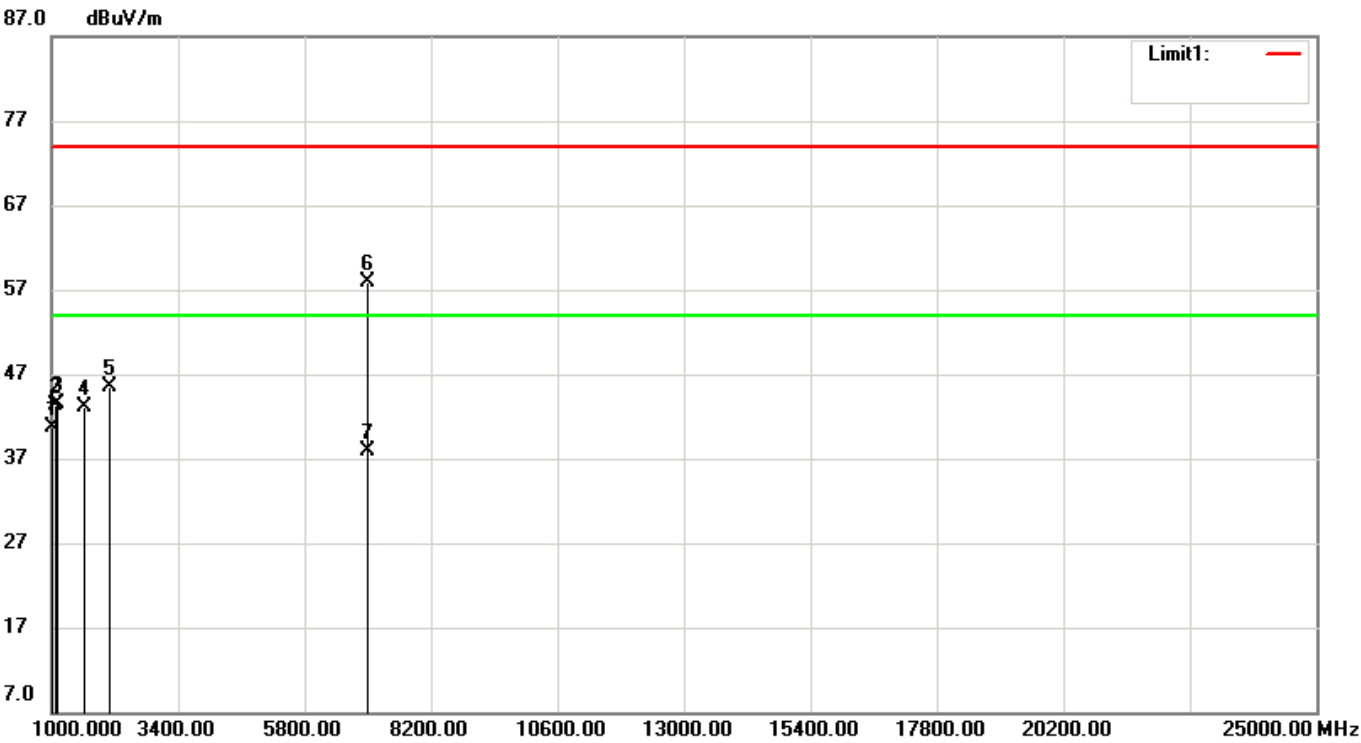
註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

B. Channel Mid

操作模式 : 發射接收
基本波頻率 : 2440 MHz

File: 20-07-MAS-052-BLE_1M_BT2 #44 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH MID-1

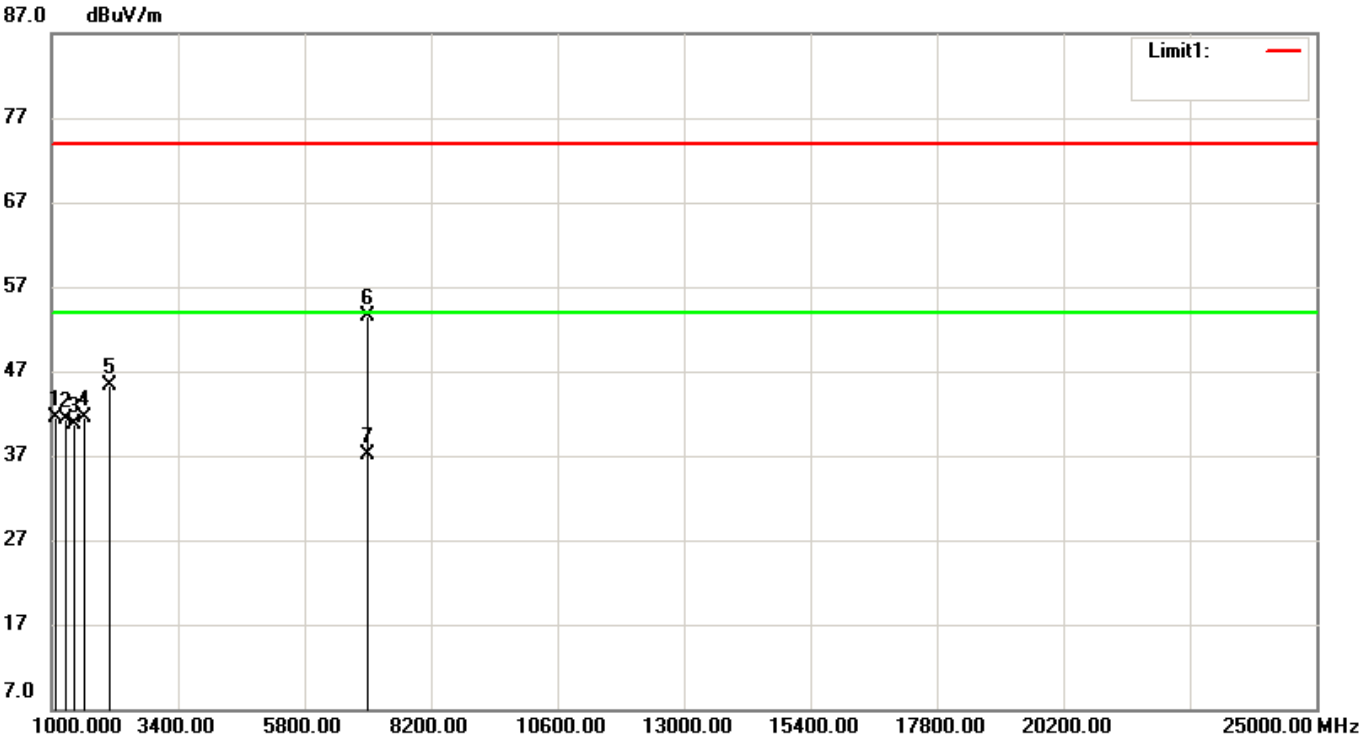
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1013.46150	50.07	peak	-9.44	40.63	74.00	-33.37
2	1065.06410	52.65	peak	-9.31	43.34	74.00	-30.66
3	1085.25640	52.74	peak	-9.25	43.49	74.00	-30.51
4	1601.28200	50.48	peak	-7.28	43.20	74.00	-30.80
5	2079.16660	49.02	peak	-3.53	45.49	74.00	-28.51
6	6991.81230	54.45	peak	3.42	57.87	74.00	-16.13
7*	6991.81230	34.58	AVG	3.42	38.00	54.00	-16.00

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2440 MHz

File: 20-07-MAS-052-BLE_1M_BT2 #45 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_1M Operator: Phillip
Note: CH MID-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1060.57700	50.77	peak	-9.31	41.46	74.00	-32.54
2	1262.50000	50.05	peak	-8.79	41.26	74.00	-32.74
3	1417.30760	49.10	peak	-8.39	40.71	74.00	-33.29
4	1583.33330	48.97	peak	-7.44	41.53	74.00	-32.47
5	2079.16660	48.85	peak	-3.53	45.32	74.00	-28.68
6	6968.25460	50.17	peak	3.41	53.58	74.00	-20.42
7*	6968.25460	33.63	AVG	3.41	37.04	54.00	-16.96

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

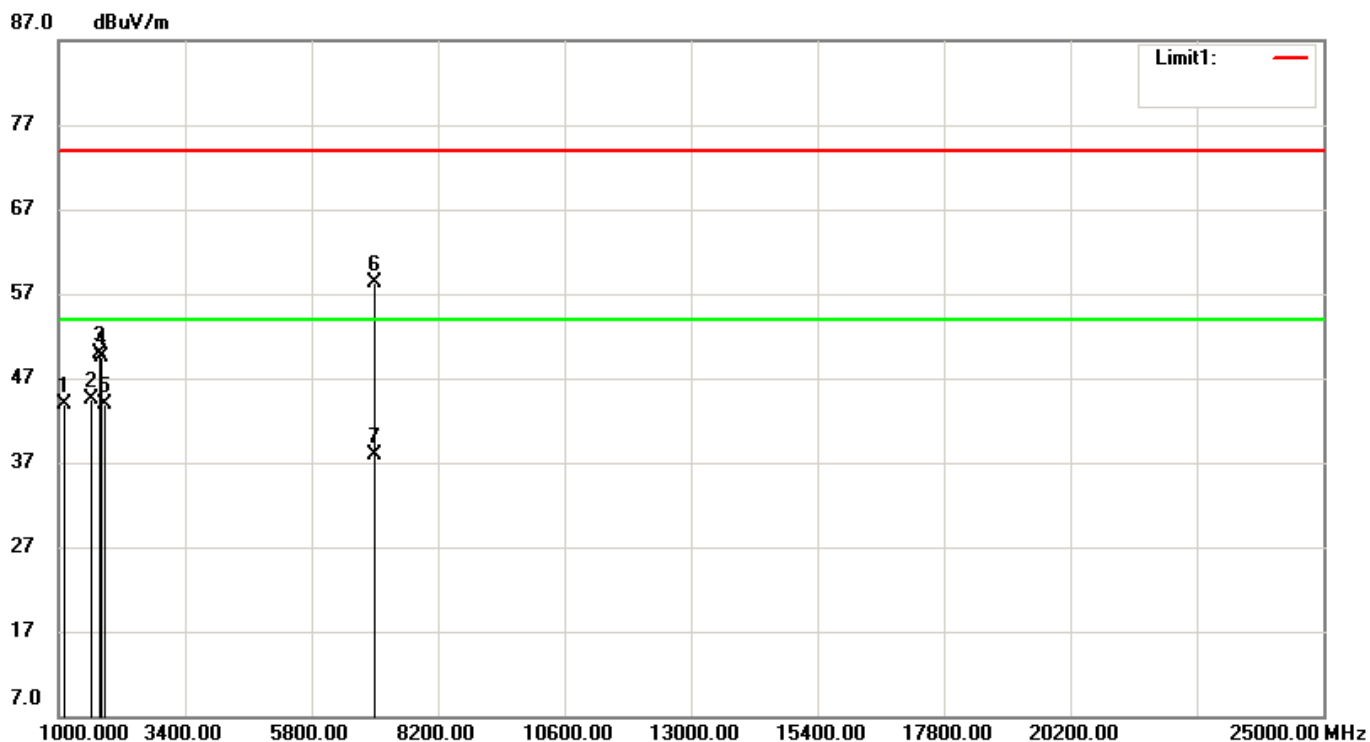
操作模式 : 發射接收
基本波頻率 : 2480 MHz

File: 20-07-MAS-052-BLE_1M_BT2
Site: RE02-EMC B1-N2

#46

Date: 2020/8/10

Temperature: 23 °C
Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: CH HIGH-1

Polarization: Horizontal
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1085.25640	53.18	peak	-9.25	43.93	74.00	-30.07
2	1601.28200	51.69	peak	-7.28	44.41	74.00	-29.59
3	1756.08970	55.74	peak	-5.90	49.84	74.00	-24.16
4	1774.03840	55.20	peak	-5.74	49.46	74.00	-24.54
5	1879.48710	48.76	peak	-4.80	43.96	74.00	-30.04
6*	6996.62000	54.97	peak	3.42	58.39	74.00	-15.61
7	6996.62000	34.49	AVG	3.42	37.91	54.00	-16.09

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

操作模式 : 發射接收
基本波頻率 : 2480 MHz

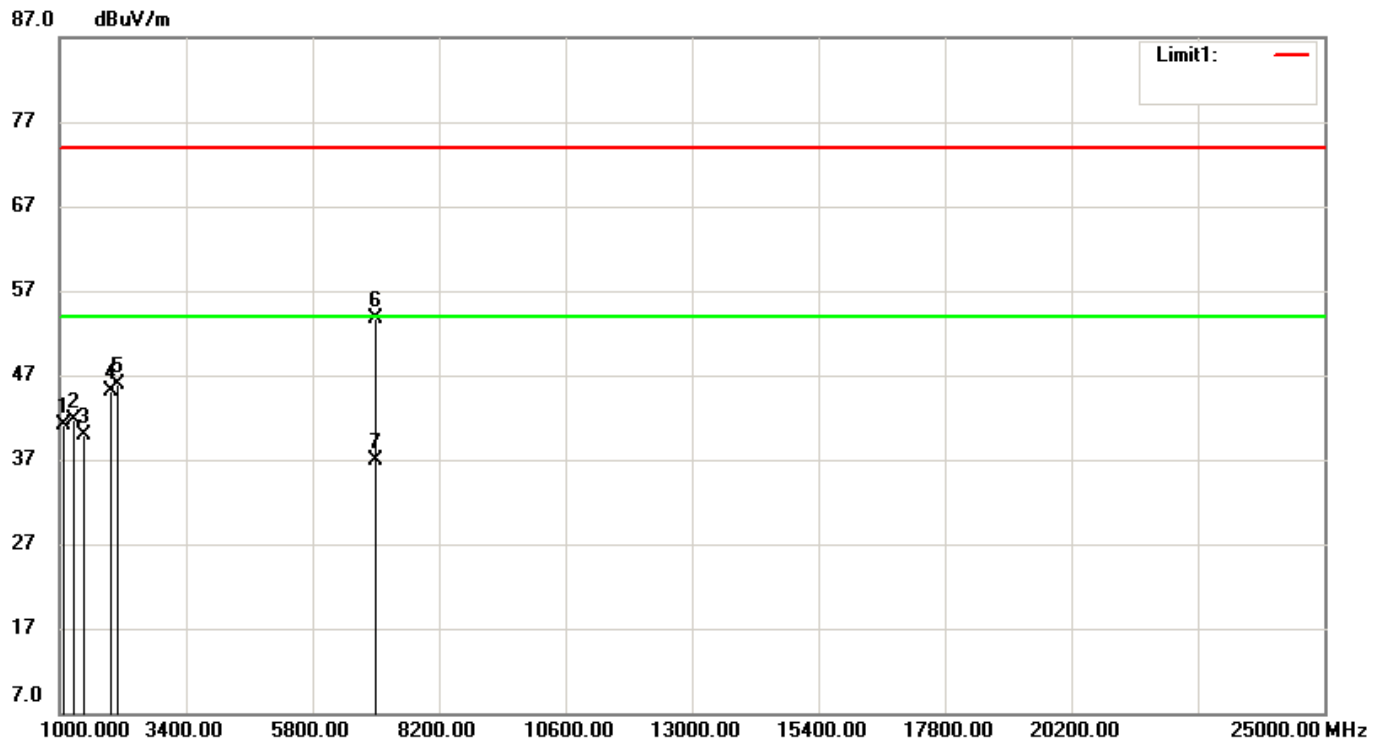
File: 20-07-MAS-052-BLE_1M_BT2
Site: RE02-EMC B1-N2

#47

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M
Note: CH HIGH-1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1067.30760	50.37	peak	-9.29	41.08	74.00	-32.92
2	1266.98710	50.51	peak	-8.79	41.72	74.00	-32.28
3	1444.23070	48.21	peak	-8.33	39.88	74.00	-34.12
4	1955.76920	49.27	peak	-4.13	45.14	74.00	-28.86
5	2101.60250	49.31	peak	-3.46	45.85	74.00	-28.15
6	6963.28670	50.22	peak	3.40	53.62	74.00	-20.38
7*	6963.28670	33.60	AVG	3.40	37.00	54.00	-17.00

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.2.2.2 測試模式：Mode D

A. Channel Low

操作模式 : 發射接收
基本波頻率 : 2402 MHz

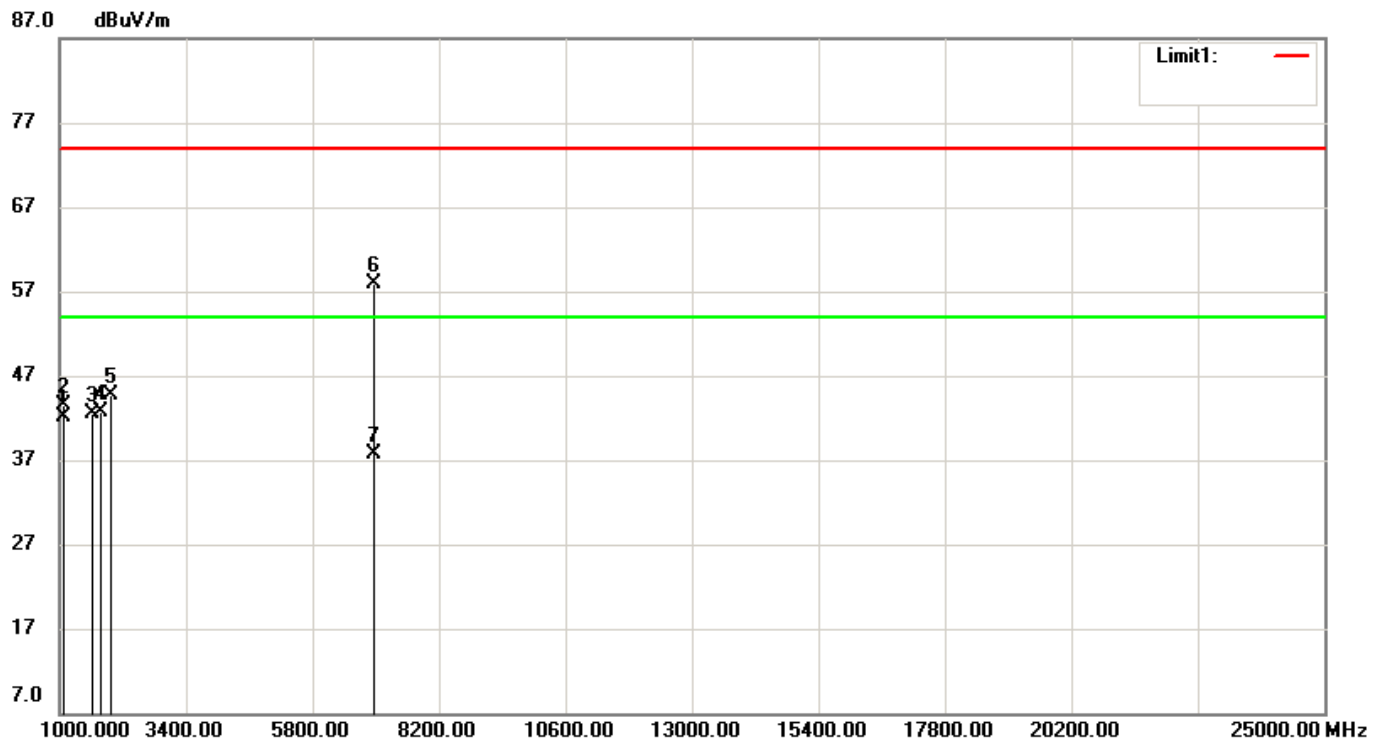
File: 20-07-MAS-052-BLE_2M_BT2
Site: RE02-EMC B1-N2

#41

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: CH LOW-1

Polarization: Horizontal
Distance: 3m
Operator: Phillip

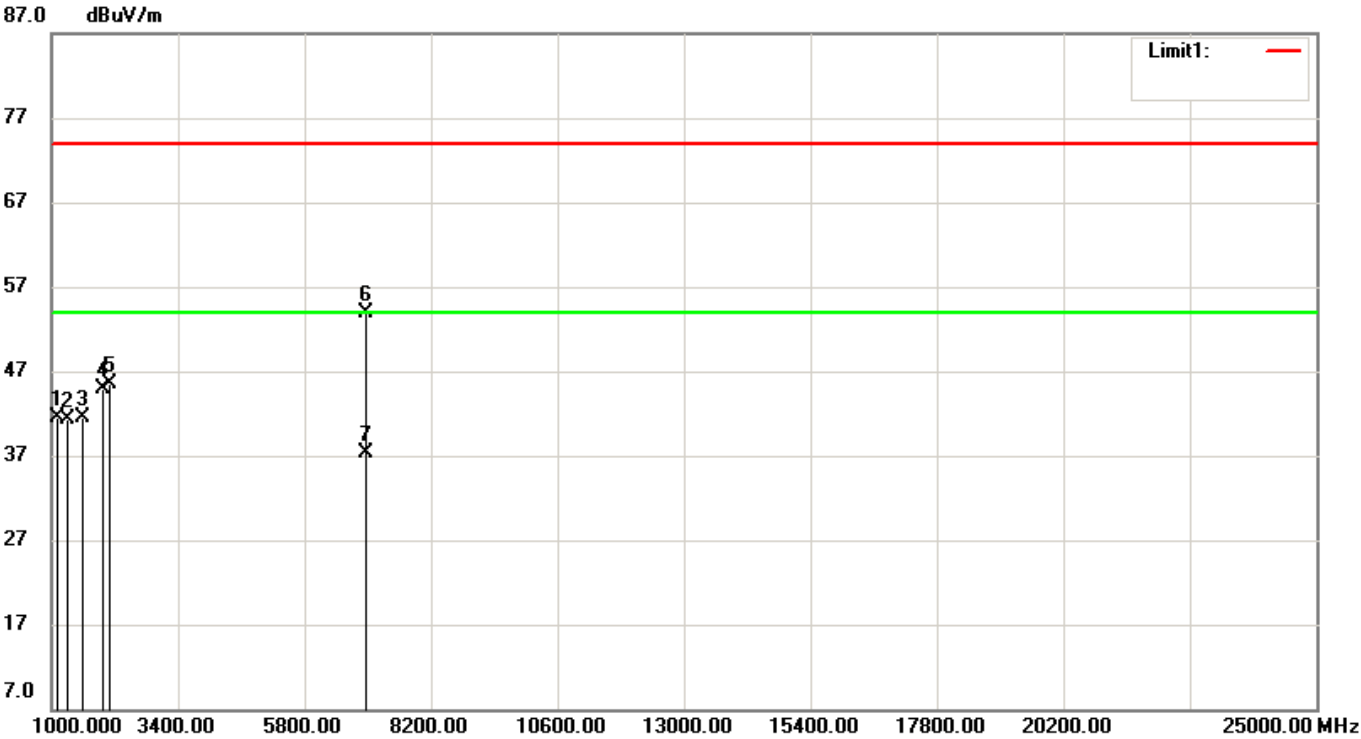
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1053.84610	51.46	peak	-9.33	42.13	74.00	-31.87
2	1071.79470	52.70	peak	-9.29	43.41	74.00	-30.59
3	1601.28200	49.71	peak	-7.28	42.43	74.00	-31.57
4	1756.08970	48.53	peak	-5.90	42.63	74.00	-31.37
5	1931.08970	48.96	peak	-4.34	44.62	74.00	-29.38
6*	6955.91500	54.58	peak	3.40	57.98	74.00	-16.02
7	6955.91500	34.35	AVG	3.40	37.75	54.00	-16.25

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

操作模式 : 發射接收
基本波頻率 : 2402 MHz

File: 20-07-MAS-052-BLE_2M_BT2 #42 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH LOW-1

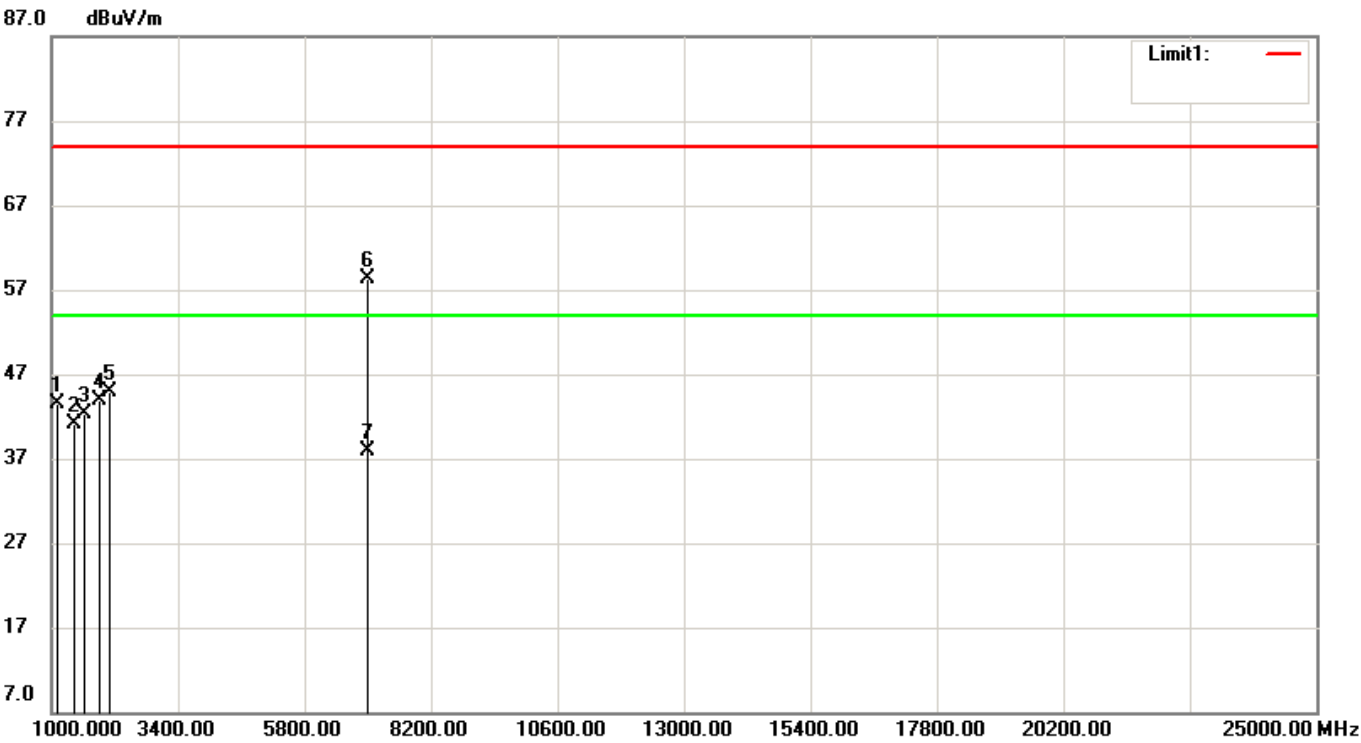
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1085.25640	50.79	peak	-9.25	41.54	74.00	-32.46
2	1273.71800	50.04	peak	-8.76	41.28	74.00	-32.72
3	1547.43580	49.21	peak	-7.76	41.45	74.00	-32.55
4	1931.08970	49.33	peak	-4.34	44.99	74.00	-29.01
5	2079.16660	48.97	peak	-3.53	45.44	74.00	-28.56
6	6947.90210	50.47	peak	3.40	53.87	74.00	-20.13
7*	6947.90210	33.83	AVG	3.40	37.23	54.00	-16.77

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

B. Channel Mid

操作模式 : 發射接收
基本波頻率 : 2440 MHz

File: 20-07-MAS-052-BLE_2M_BT2 #43 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH MID-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1085.25640	52.78	peak	-9.25	43.53	74.00	-30.47
2	1399.35900	49.63	peak	-8.44	41.19	74.00	-32.81
3	1599.03840	49.54	peak	-7.30	42.24	74.00	-31.76
4	1908.65380	48.39	peak	-4.54	43.85	74.00	-30.15
5	2090.38460	48.33	peak	-3.49	44.84	74.00	-29.16
6*	6991.84430	54.95	peak	3.42	58.37	74.00	-15.63
7	6991.84430	34.50	AVG	3.42	37.92	54.00	-16.08

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2440 MHz

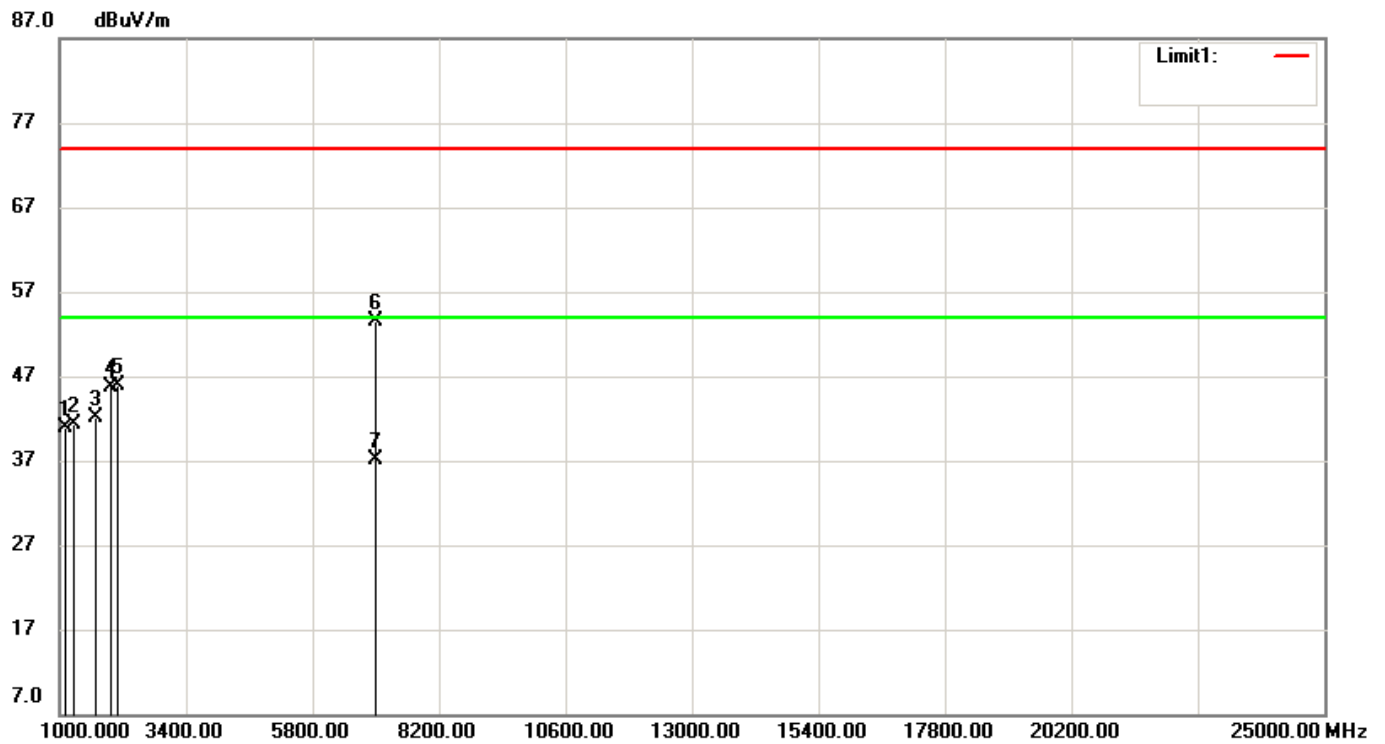
File: 20-07-MAS-052-BLE_2M_BT2
Site: RE02-EMC B1-N2

#44

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: CH MID-1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1078.52560	50.18	peak	-9.26	40.92	74.00	-33.08
2	1269.23070	50.07	peak	-8.77	41.30	74.00	-32.70
3	1666.34610	48.83	peak	-6.70	42.13	74.00	-31.87
4	1946.79480	49.84	peak	-4.20	45.64	74.00	-28.36
5	2081.41010	49.50	peak	-3.52	45.98	74.00	-28.02
6	6991.33150	50.02	peak	3.42	53.44	74.00	-20.56
7*	6991.33150	33.62	AVG	3.42	37.04	54.00	-16.96

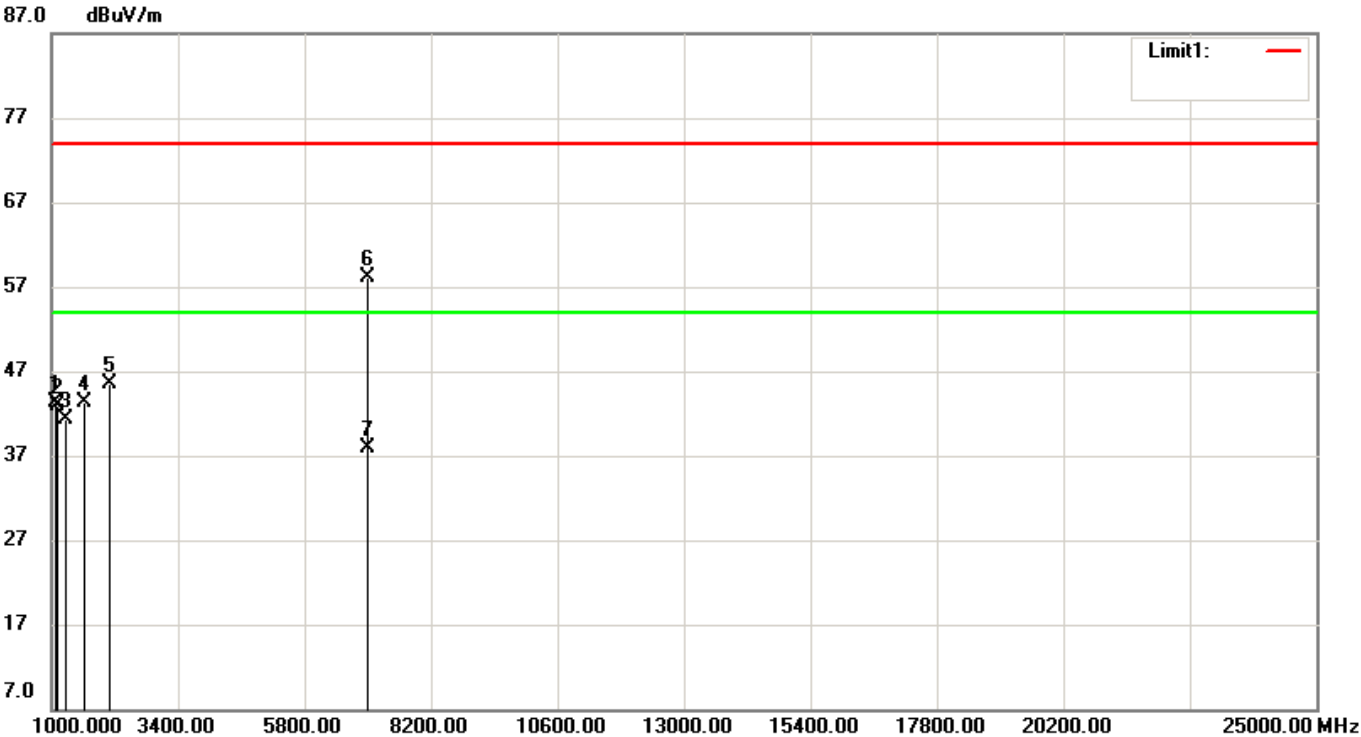
註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

C. Channel High

操作模式 : 發射接收
基本波頻率 : 2480 MHz

File: 20-07-MAS-052-BLE_2M_BT2 #45 Date: 2020/8/10 Temperature: 23 °C
Site: RE02-EMC B1-N2 Humidity: 56 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: BLE_2M Operator: Phillip
Note: CH HIGH-1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1065.06410	52.56	peak	-9.31	43.25	74.00	-30.75
2	1085.25640	52.23	peak	-9.25	42.98	74.00	-31.02
3	1260.25640	50.02	peak	-8.80	41.22	74.00	-32.78
4	1601.28200	50.58	peak	-7.28	43.30	74.00	-30.70
5	2081.41010	48.94	peak	-3.52	45.42	74.00	-28.58
6*	6992.16480	54.73	peak	3.42	58.15	74.00	-15.85
7	6992.16480	34.40	AVG	3.42	37.82	54.00	-16.18

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式 : 發射接收
基本波頻率 : 2480 MHz

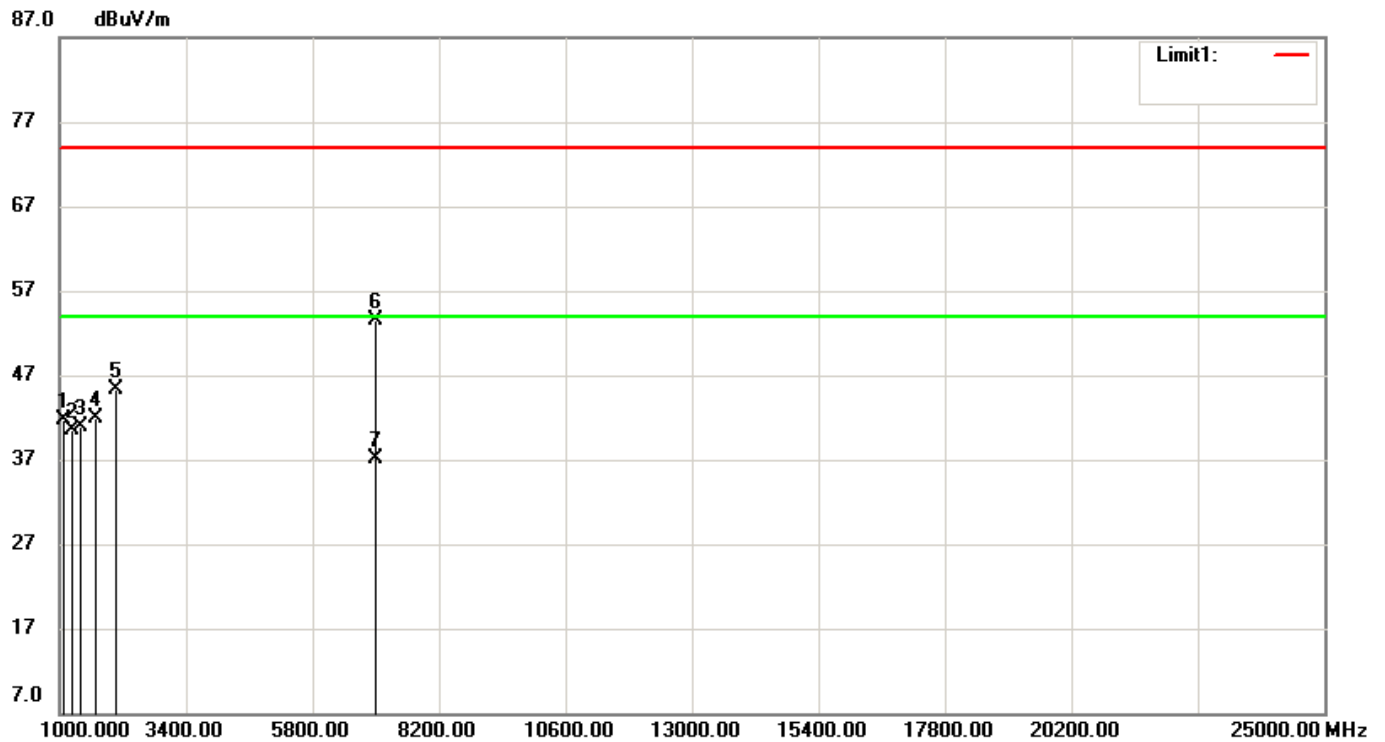
File: 20-07-MAS-052-BLE_2M_BT2
Site: RE02-EMC B1-N2

#46

Date: 2020/8/10

Temperature: 23 °C

Humidity: 56 %



Condition: NCC_Above1G_Pk
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_2M
Note: CH HIGH-1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1065.06410	51.02	peak	-9.31	41.71	74.00	-32.29
2	1219.87170	49.43	peak	-8.91	40.52	74.00	-33.48
3	1374.67940	49.40	peak	-8.51	40.89	74.00	-33.11
4	1657.37170	48.68	peak	-6.79	41.89	74.00	-32.11
5	2054.48710	48.95	peak	-3.59	45.36	74.00	-28.64
6	6991.52380	50.12	peak	3.42	53.54	74.00	-20.46
7*	6991.52380	33.62	AVG	3.42	37.04	54.00	-16.96

註:1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

10.5.2.3 Normal Mode

操作模式：Mode E

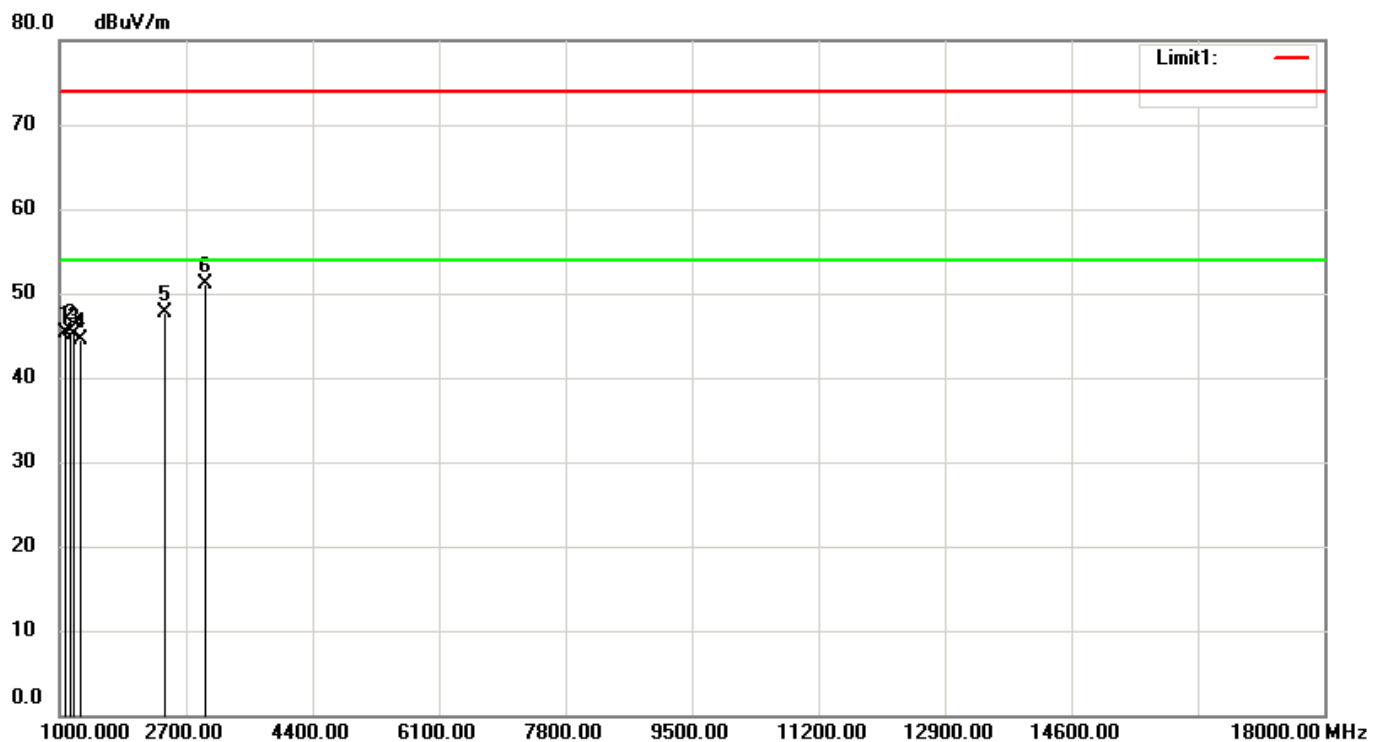
File: 20-07-MAS-052-Normal mode
 Site: RE02-EMC B1-N2

#15

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_Above1G_Pk
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: Normal
 Note: BD Playing + HDMI + Bluetooth + LAN + USB Cable 1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1080.12820	54.65	peak	-9.26	45.39	74.00	-28.61
2	1136.21800	54.60	peak	-9.12	45.48	74.00	-28.52
3	1184.29460	54.20	peak	-9.00	45.20	74.00	-28.80
4	1264.42300	53.28	peak	-8.79	44.49	74.00	-29.51
5	2410.25640	50.43	peak	-2.66	47.77	74.00	-26.23
6*	2939.10240	53.08	peak	-1.96	51.12	74.00	-22.88

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}$ ($1\text{GHz} \leq f < 18\text{GHz}$)
 $\pm 4.4\text{dB}$ ($18\text{GHz} \leq f \leq 40\text{GHz}$)

操作模式：Mode E

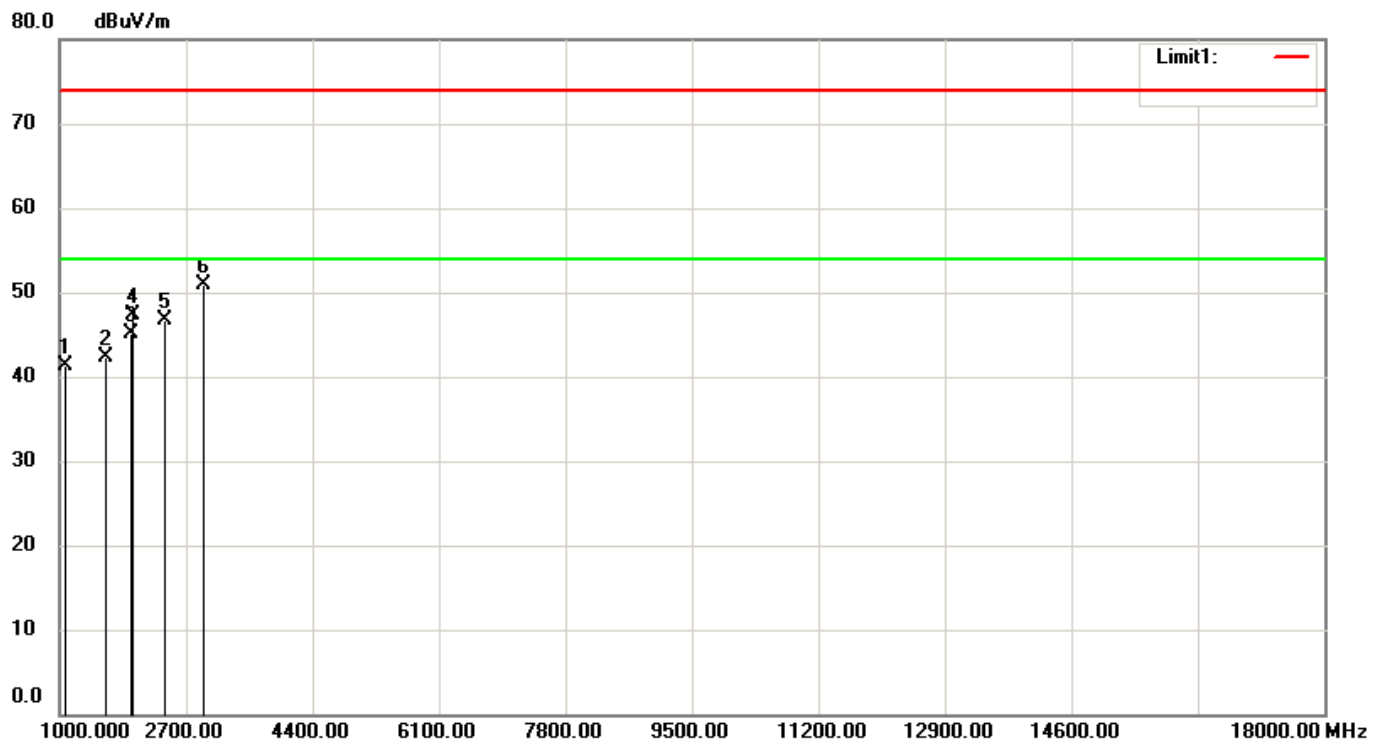
File: 20-07-MAS-052-Normal mode
 Site: RE02-EMC B1-N2

#16

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
 EUT: PlayStation5 console(Wireless) Distance: 3m
 Model: CFI-1018A
 Test Mode: Normal Operator: Phillip
 Note: BD Playing + HDMI + Bluetooth + LAN + USB Cable 1

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1056.08960	50.55	peak	-9.32	41.23	74.00	-32.77
2	1600.96140	49.53	peak	-7.28	42.25	74.00	-31.75
3	1929.48710	49.51	peak	-4.35	45.16	74.00	-28.84
4	1969.55120	51.27	peak	-4.01	47.26	74.00	-26.74
5	2394.23060	49.49	peak	-2.70	46.79	74.00	-27.21
6*	2931.08950	52.79	peak	-1.98	50.81	74.00	-23.19

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

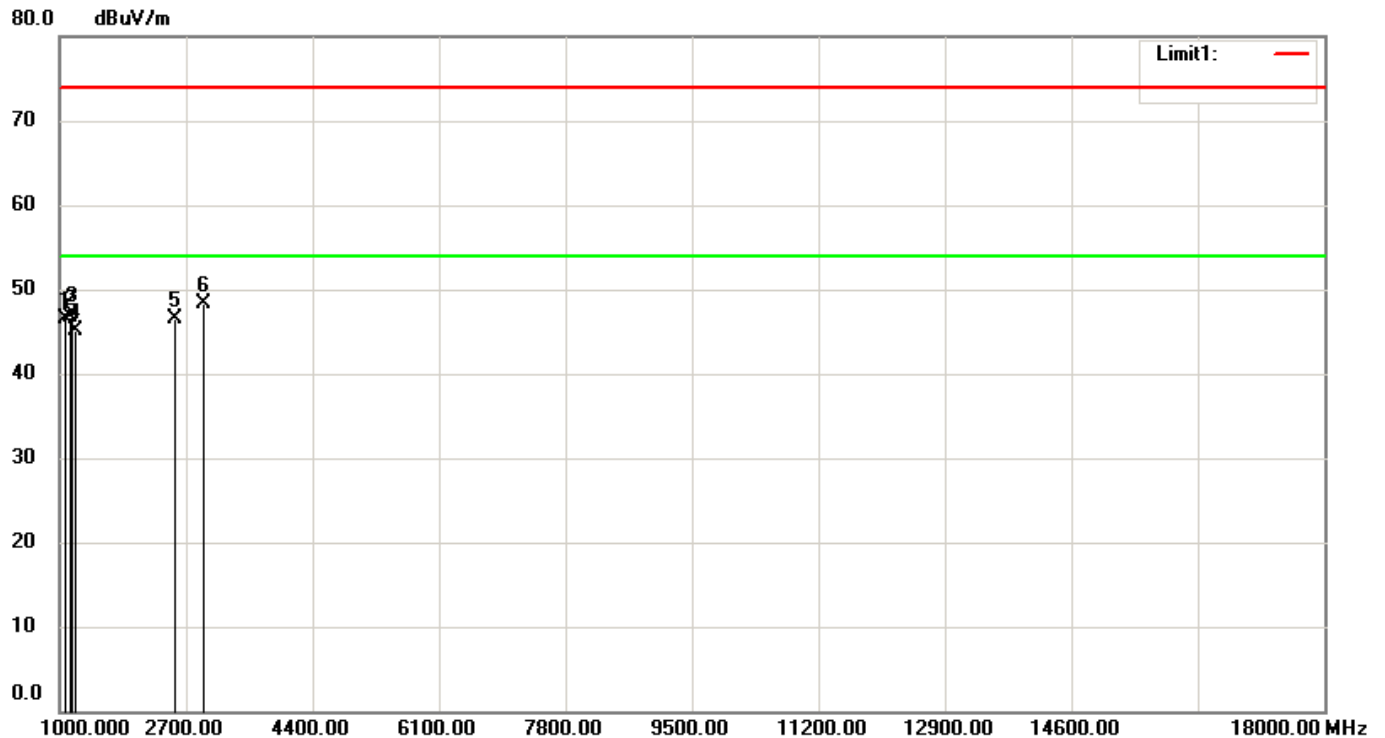
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：Mode F

File: 20-07-MAS-052-Normal mode
Site: RE02-EMC B1-N2

#13 Date: 2020/8/18

Temperature: 24 °C
Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Horizontal
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: Game + HDMI + Bluetooth + WiFi + LAN + USB Cable 2

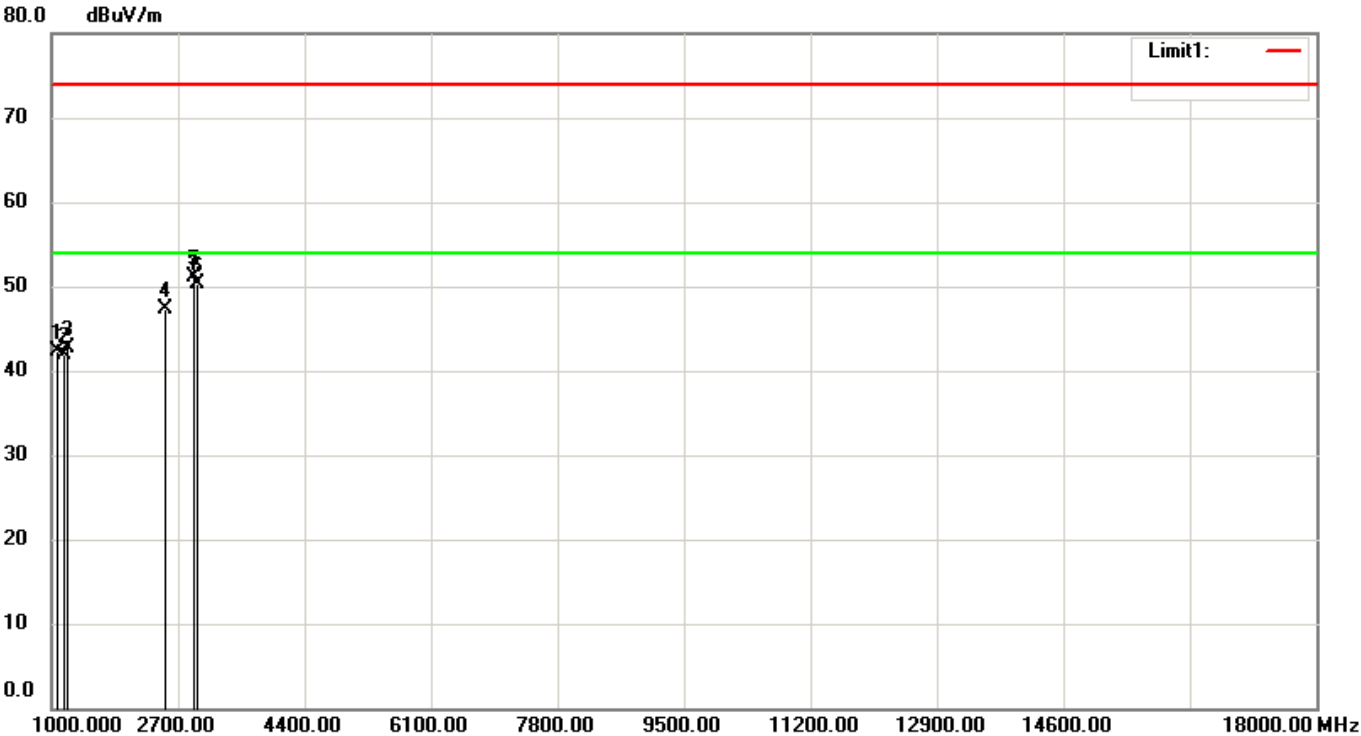
No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1064.10250	55.77	peak	-9.31	46.46	74.00	-27.54
2	1120.19230	55.83	peak	-9.16	46.67	74.00	-27.33
3	1152.24350	56.10	peak	-9.08	47.02	74.00	-26.98
4	1192.30760	53.99	peak	-8.98	45.01	74.00	-28.99
5	2546.47430	48.93	peak	-2.36	46.57	74.00	-27.43
6*	2923.07700	50.30	peak	-1.98	48.32	74.00	-25.68

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。

2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

操作模式：Mode F

File: 20-07-MAS-052-Normal mode #14 Date: 2020/8/18 Temperature: 24 °C
Site: RE02-EMC B1-N2 Humidity: 63 %



Condition: NCC_Above1G_Pk Polarization: Vertical
EUT: PlayStation5 console(Wireless) Distance: 3m
Model: CFI-1018A
Test Mode: Normal Operator: Phillip
Note: Game + HDMI + Bluetooth + WiFi + LAN + USB Cable 2

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	1072.11510	51.51	peak	-9.28	42.23	74.00	-31.77
2	1144.23070	50.96	peak	-9.10	41.86	74.00	-32.14
3	1216.34600	51.68	peak	-8.91	42.77	74.00	-31.23
4	2522.43580	49.78	peak	-2.40	47.38	74.00	-26.62
5*	2891.02550	53.22	peak	-2.02	51.20	74.00	-22.80
6	2947.11520	52.33	peak	-1.95	50.38	74.00	-23.62

註: 1. 若以峰值檢測功能測量之值符合平均值限制值，則可視同以平均值功能測量之值亦符合平均值限制值。
2. 量測不準確度: $\pm 4.1\text{dB}(1\text{GHz} \leq f < 18\text{GHz})$
 $\pm 4.4\text{dB}(18\text{GHz} \leq f \leq 40\text{GHz})$

10.5.3 其它不必要之訊號1GHz以下

10.5.3.1 測試狀態: Mode A

File: 20-07-MAS-052-Below 1G
Site: RE02-EMC B1-N2

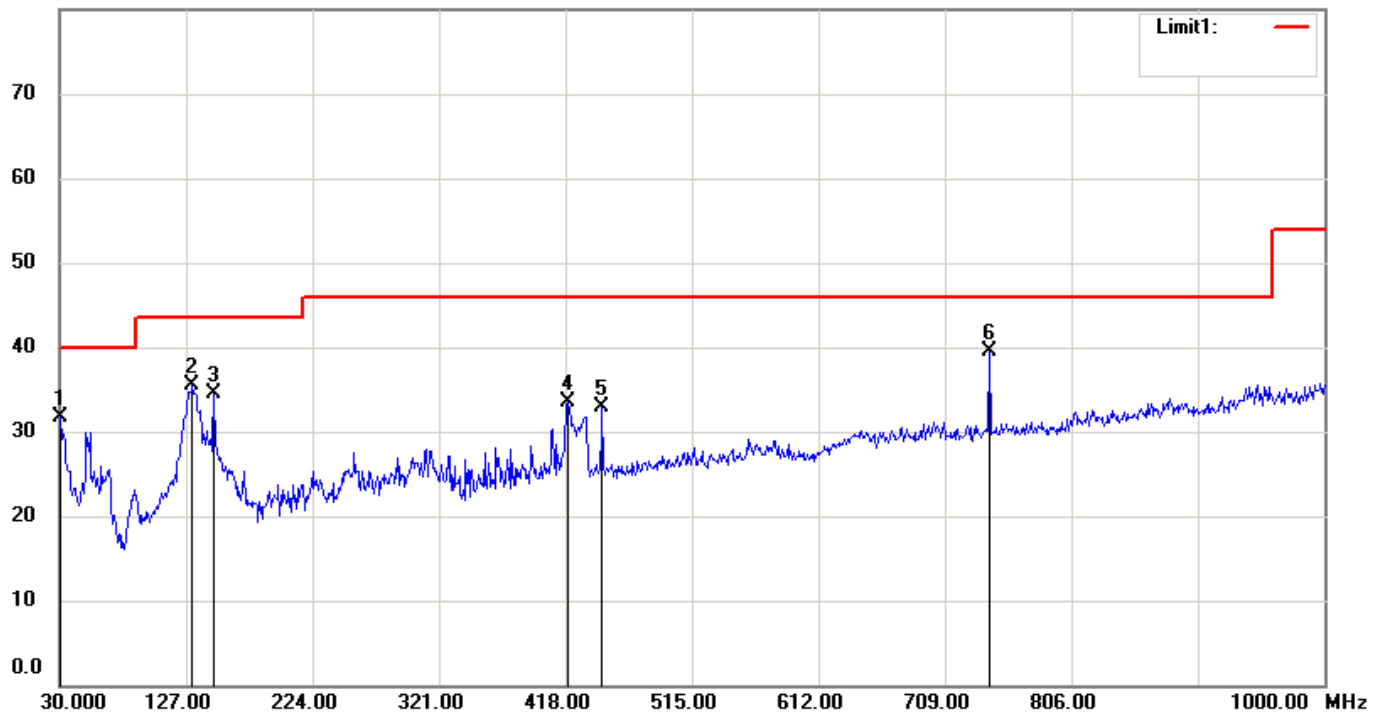
#11

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %

80.0 dBuV/m



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M_Module1
Note:

Polarization: Horizontal
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	30.9700	35.60	QP	-3.92	31.68	40.00	-8.32
2	131.8500	39.29	QP	-3.71	35.58	43.50	-7.92
3	148.3400	39.49	QP	-5.03	34.46	43.50	-9.04
4	419.9400	35.17	QP	-1.65	33.52	46.00	-12.48
5	446.1300	34.48	QP	-1.48	33.00	46.00	-13.00
6*	742.9500	36.17	QP	3.41	39.58	46.00	-6.42

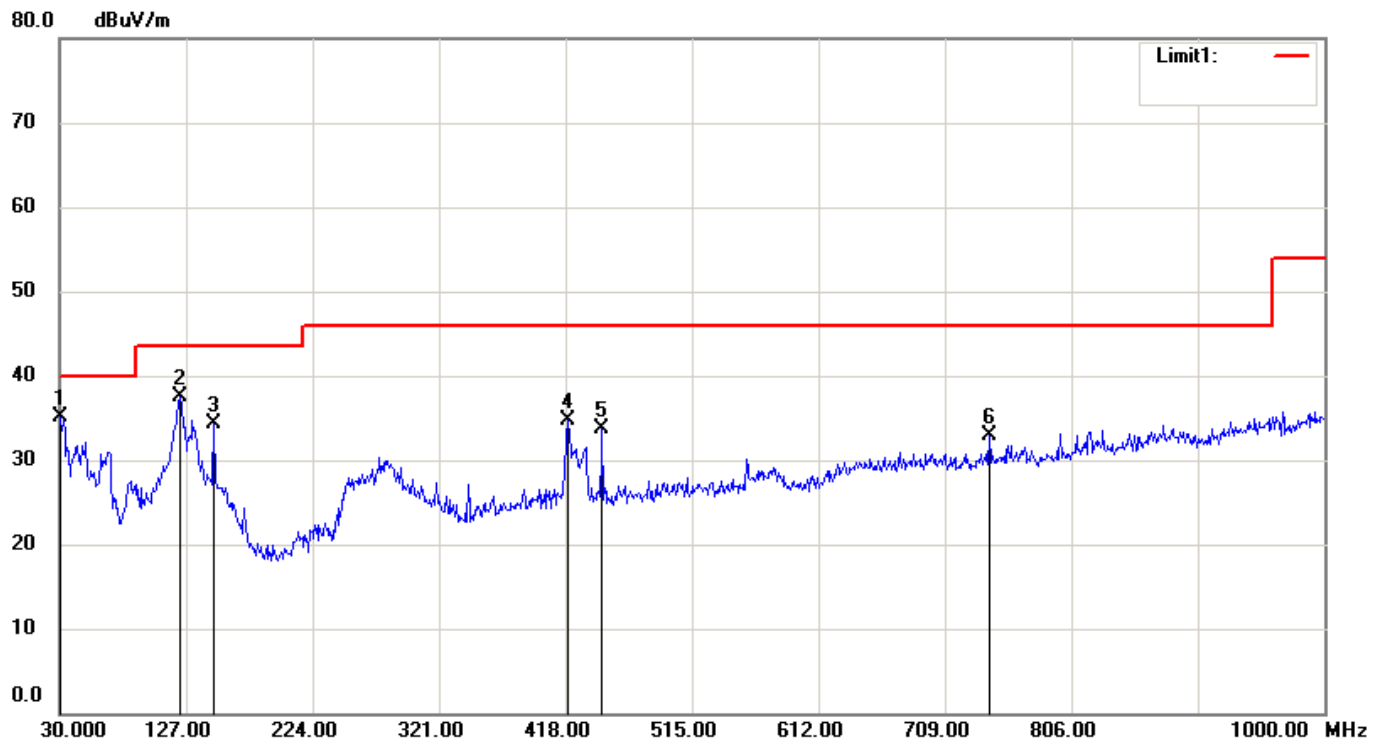
File: 20-07-MAS-052-Below 1G
Site: RE02-EMC B1-N2

#12

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M_Module1
Note:

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	30.9700	39.09	QP	-3.92	35.17	40.00	-4.83
2	122.1500	41.37	QP	-3.96	37.41	43.50	-6.09
3	148.3400	39.32	QP	-5.03	34.29	43.50	-9.21
4	419.9400	36.44	QP	-1.65	34.79	46.00	-11.21
5	446.1300	35.17	QP	-1.48	33.69	46.00	-12.31
6	742.9500	29.54	QP	3.41	32.95	46.00	-13.05

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB ($30\text{MHz} \leq f < 1\text{GHz}$)

10.5.3.2 測試狀態: Mode B

File: 20-07-MAS-052-Below 1G

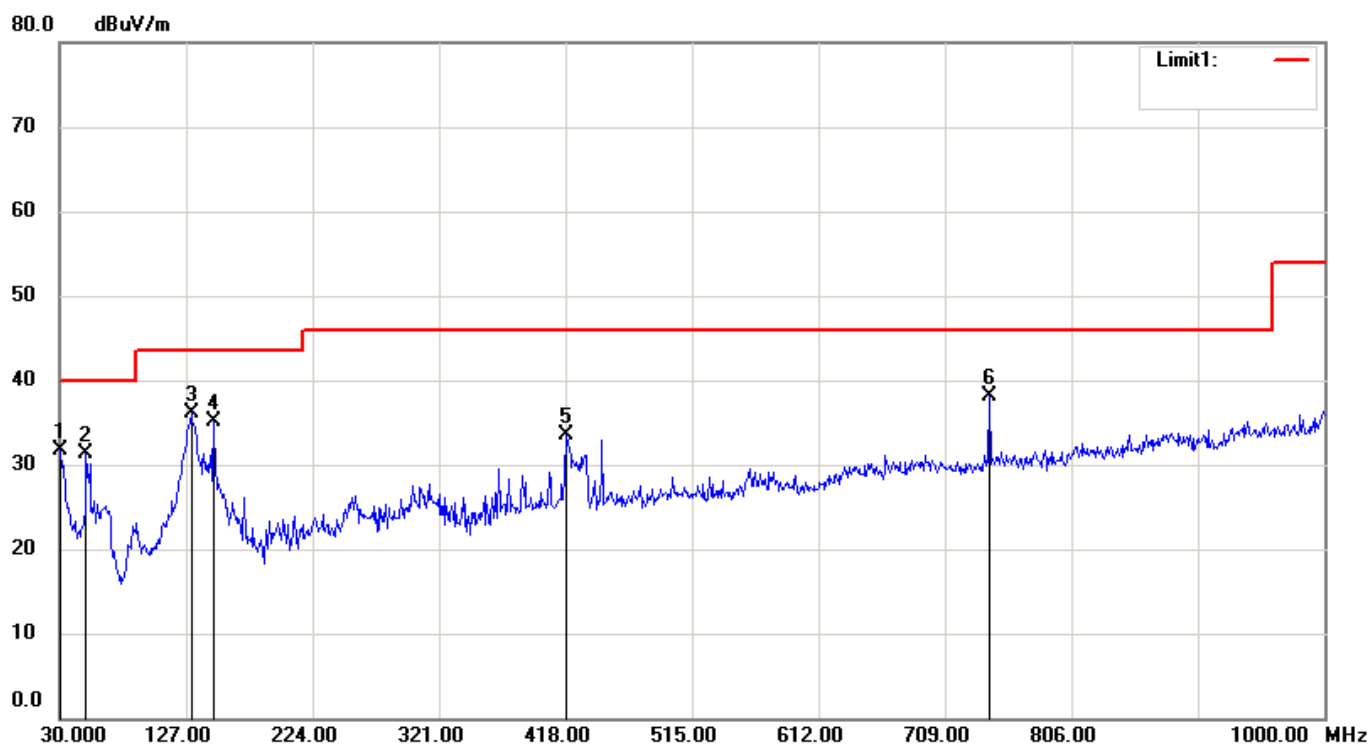
#13

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M_Module1
 Note:

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	30.9700	35.60	QP	-3.92	31.68	40.00	-8.32
2	50.3700	38.55	QP	-7.26	31.29	40.00	-8.71
3*	130.8800	39.76	QP	-3.67	36.09	43.50	-7.41
4	148.3400	40.20	QP	-5.03	35.17	43.50	-8.33
5	418.0000	35.17	QP	-1.67	33.50	46.00	-12.50
6	742.9500	34.77	QP	3.41	38.18	46.00	-7.82

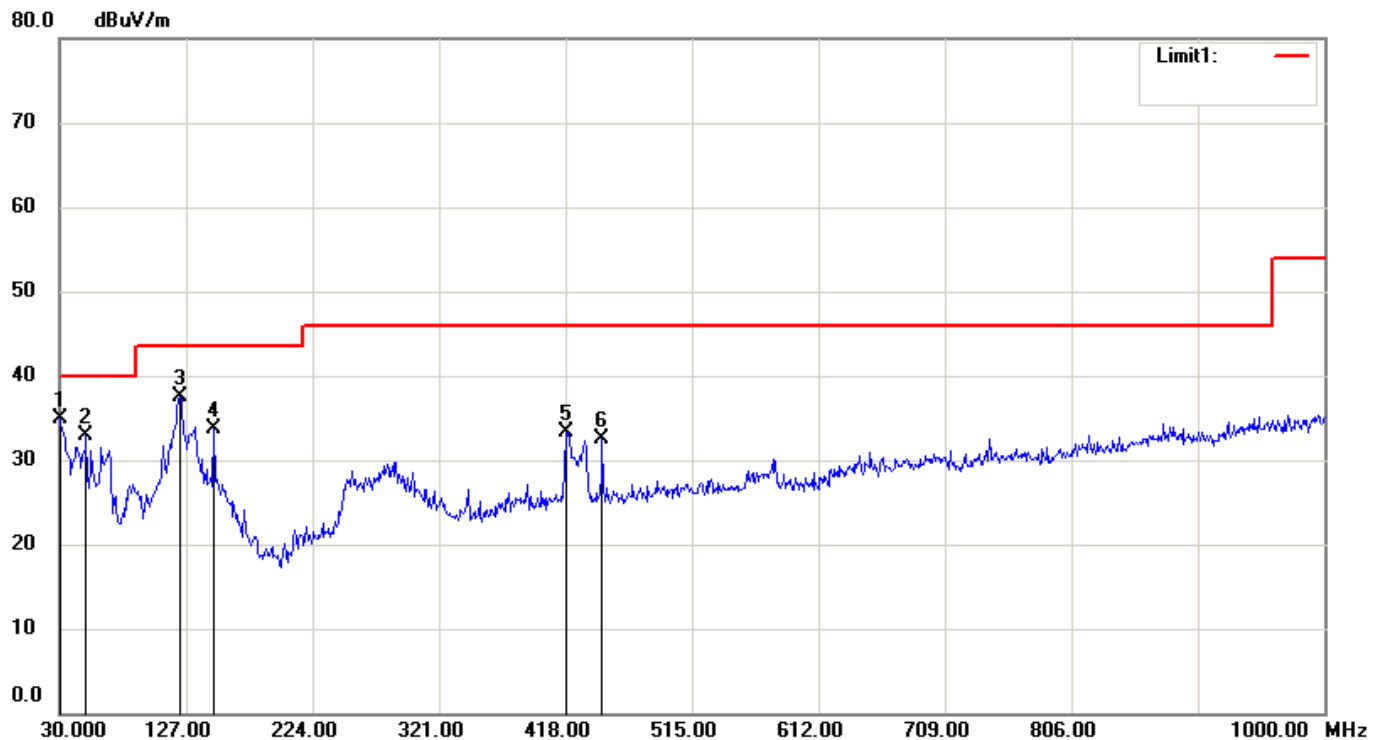
File: 20-07-MAS-052-Below 1G
Site: RE02-EMC B1-N2

#14

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_2M_Module1
Note:

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	30.0000	38.61	QP	-3.75	34.86	40.00	-5.14
2	50.3700	40.24	QP	-7.26	32.98	40.00	-7.02
3	122.1500	41.47	QP	-3.96	37.51	43.50	-5.99
4	148.3400	38.76	QP	-5.03	33.73	43.50	-9.77
5	418.0000	34.98	QP	-1.67	33.31	46.00	-12.69
6	446.1300	33.99	QP	-1.48	32.51	46.00	-13.49

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB ($30\text{MHz} \leq f < 1\text{GHz}$)

10.5.3.3 測試狀態: Mode C

File: 20-07-MAS-052-Below 1G

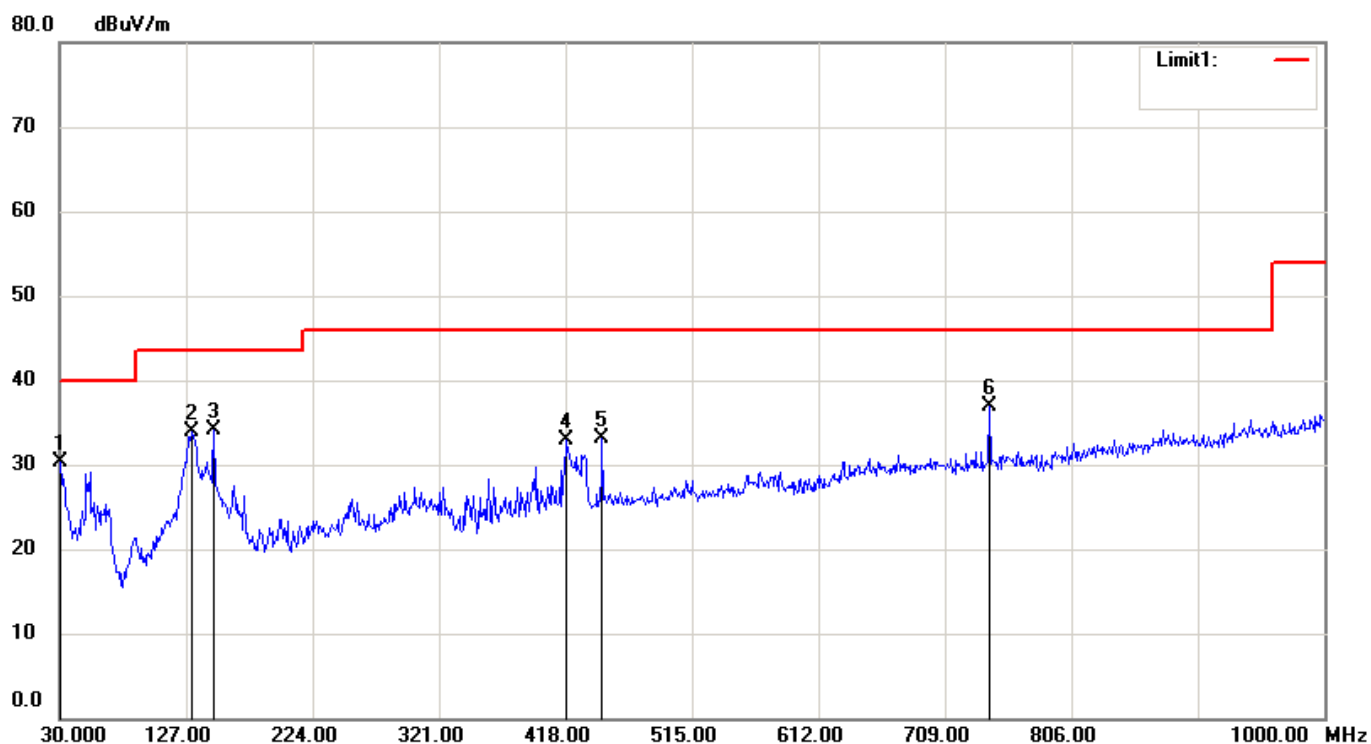
#19

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: BLE_1M_Module2
 Note:

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	30.9700	34.22	QP	-3.92	30.30	40.00	-9.70
2	131.8500	37.68	QP	-3.71	33.97	43.50	-9.53
3	148.3400	39.05	QP	-5.03	34.02	43.50	-9.48
4	418.9700	34.60	QP	-1.66	32.94	46.00	-13.06
5	446.1300	34.50	QP	-1.48	33.02	46.00	-12.98
6*	742.9500	33.48	QP	3.41	36.89	46.00	-9.11

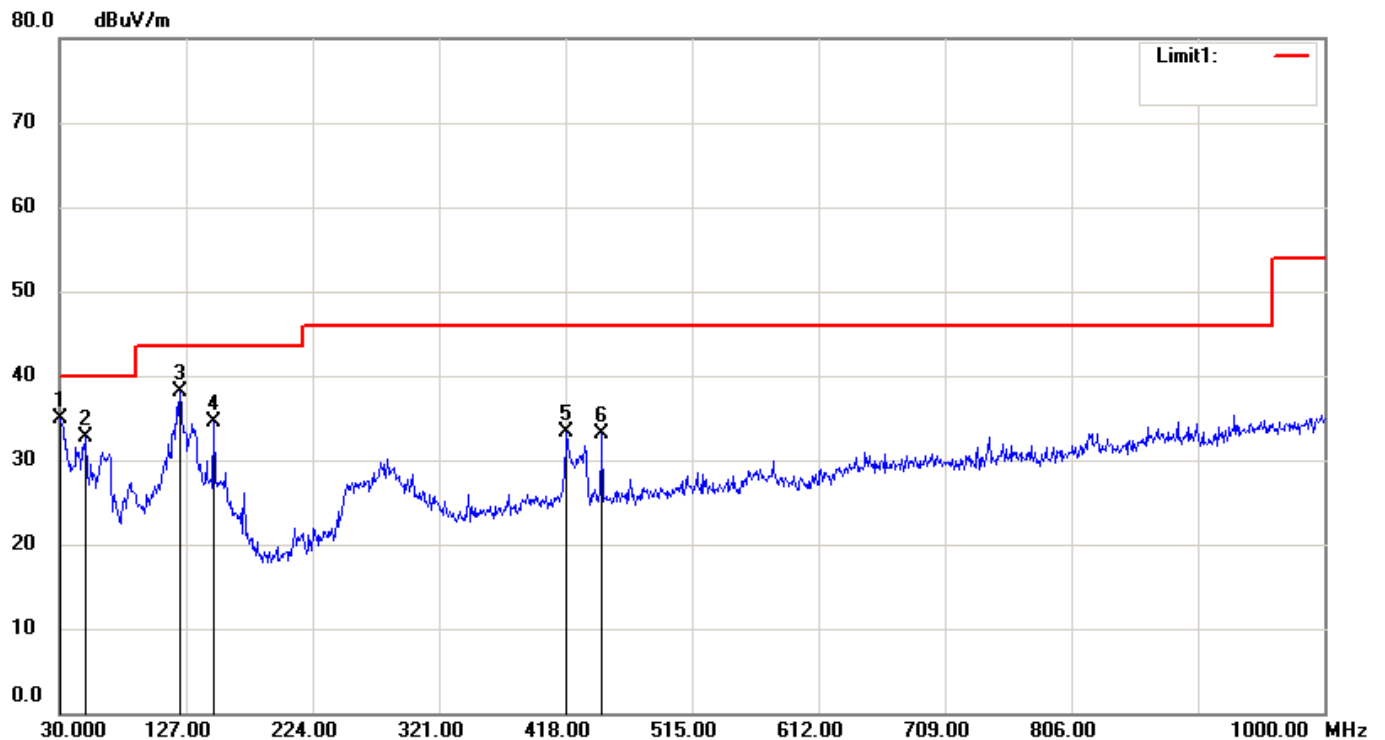
File: 20-07-MAS-052-Below 1G
Site: RE02-EMC B1-N2

#20

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_1M_Module2
Note:

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	30.0000	38.64	QP	-3.75	34.89	40.00	-5.11
2	50.3700	40.05	QP	-7.26	32.79	40.00	-7.21
3	122.1500	42.06	QP	-3.96	38.10	43.50	-5.40
4	148.3400	39.50	QP	-5.03	34.47	43.50	-9.03
5	418.9700	34.91	QP	-1.66	33.25	46.00	-12.75
6	446.1300	34.52	QP	-1.48	33.04	46.00	-12.96

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB ($30\text{MHz} \leq f < 1\text{GHz}$)

10.5.3.4 測試狀態: Mode D

File: 20-07-MAS-052-Below 1G

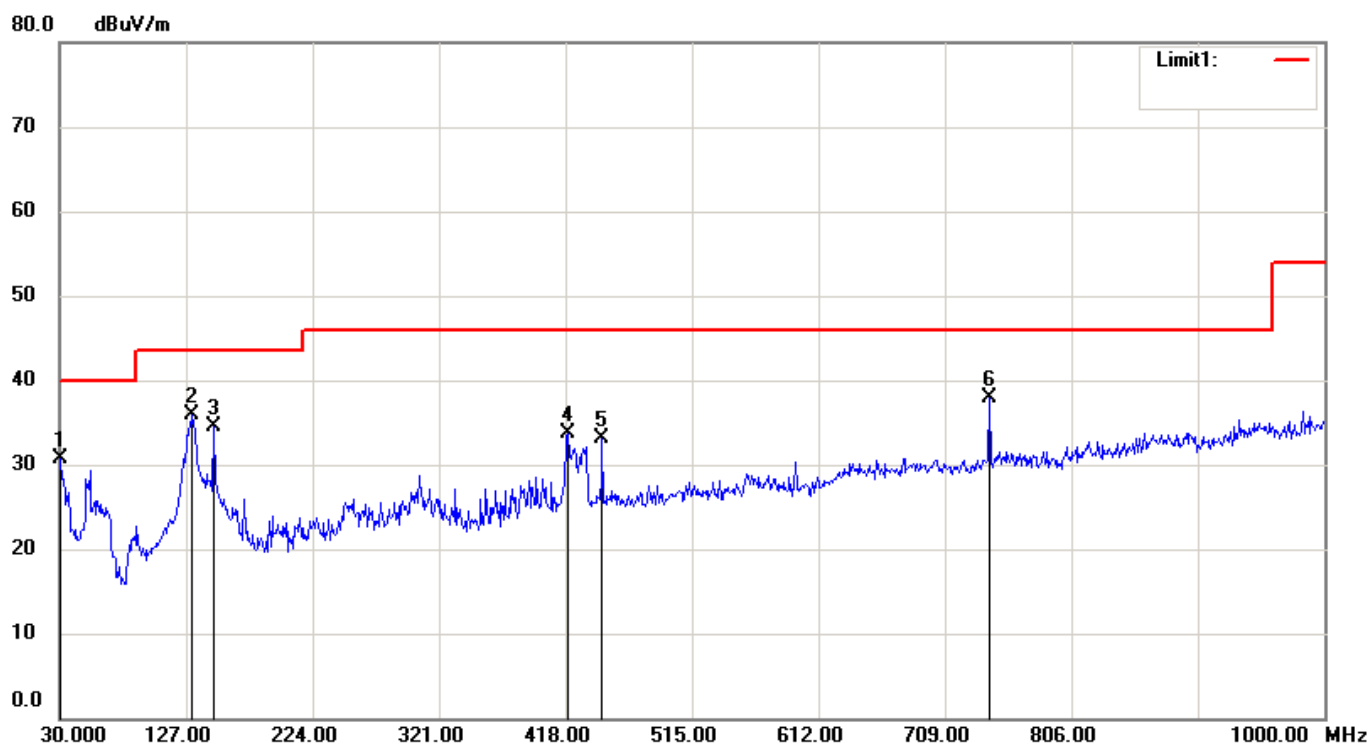
#21

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: BLE_2M_Module2
 Note:

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1	30.9700	34.56	QP	-3.92	30.64	40.00	-9.36
2*	131.8500	39.61	QP	-3.71	35.90	43.50	-7.60
3	148.3400	39.48	QP	-5.03	34.45	43.50	-9.05
4	419.9400	35.30	QP	-1.65	33.65	46.00	-12.35
5	446.1300	34.50	QP	-1.48	33.02	46.00	-12.98
6	742.9500	34.52	QP	3.41	37.93	46.00	-8.07

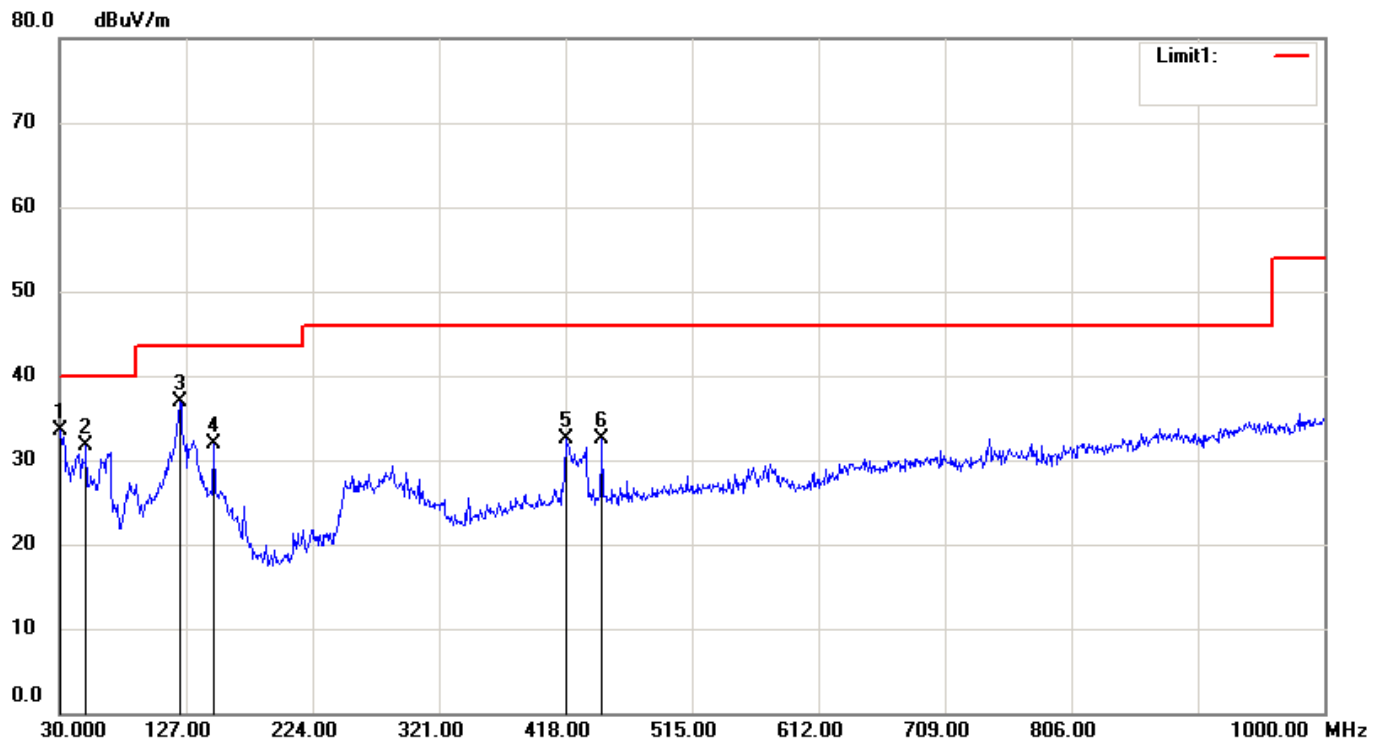
File: 20-07-MAS-052-Below 1G
Site: RE02-EMC B1-N2

#22

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: BLE_2M_Module2
Note:

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected (dB/m)	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	30.9700	37.42	QP	-3.92	33.50	40.00	-6.50
2	50.3700	39.03	QP	-7.26	31.77	40.00	-8.23
3	122.1500	40.83	QP	-3.96	36.87	43.50	-6.63
4	148.3400	36.88	QP	-5.03	31.85	43.50	-11.65
5	418.0000	34.15	QP	-1.67	32.48	46.00	-13.52
6	446.1300	33.94	QP	-1.48	32.46	46.00	-13.54

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB (30MHz ≤ f < 1GHz)

10.5.3.5 測試狀態: Mode E

File: 20-07-MAS-052-Normal mode

#5

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: Normal1
 Note: BD Playing+ HDMI + BT + LAN + USB Cable 1

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	48.4300	42.03	QP	-6.93	35.10	40.00	-4.90
2	124.0900	38.37	QP	-3.88	34.49	43.50	-9.01
3	139.6100	38.56	QP	-4.02	34.54	43.50	-8.96
4	250.1900	41.46	QP	-6.52	34.94	46.00	-11.06
5	304.5100	37.98	QP	-4.36	33.62	46.00	-12.38
6	673.1100	31.57	QP	2.67	34.24	46.00	-11.76

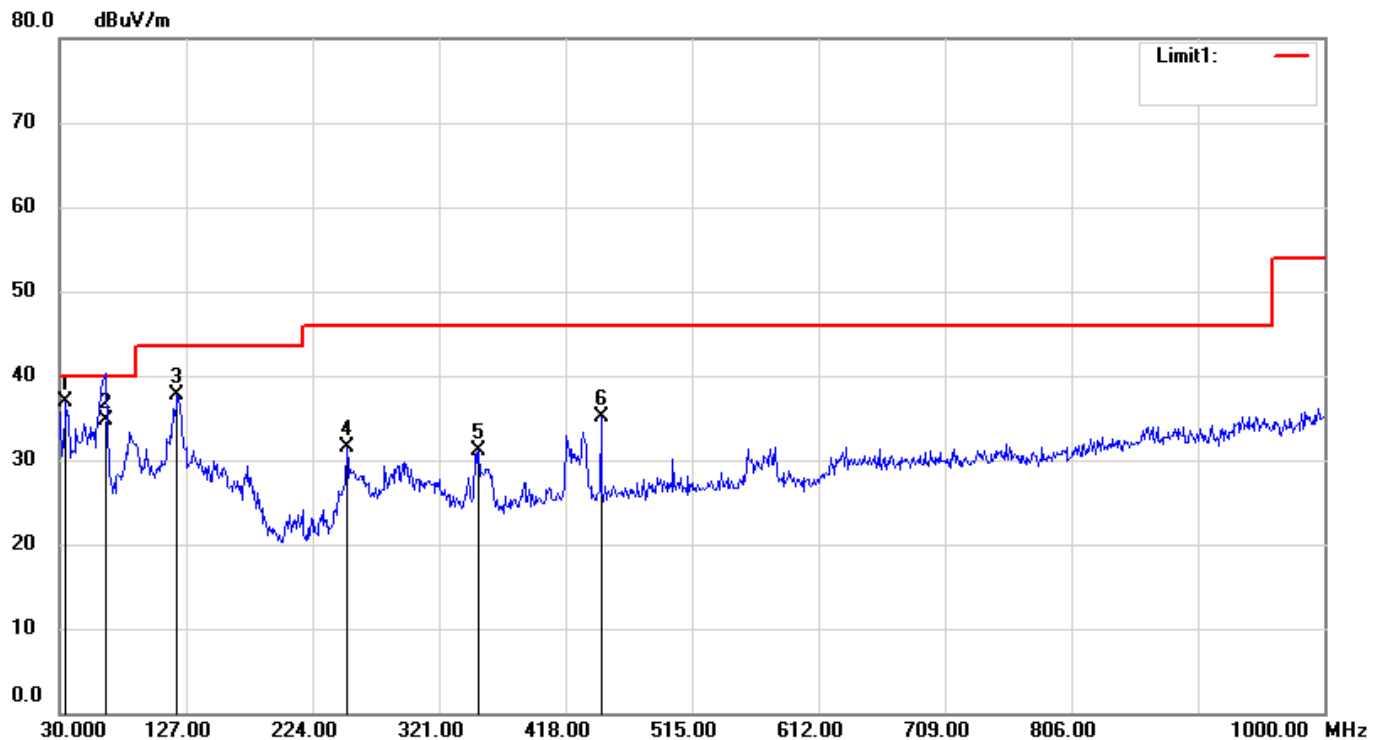
File: 20-07-MAS-052-Normal mode
Site: RE02-EMC B1-N2

#6

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: Normal1
Note: BD Playing+ HDMI + BT + LAN + USB Cable 1

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	34.8500	41.45	QP	-4.64	36.81	40.00	-3.19
2	64.5800	45.49	QP	-10.79	34.70	40.00	-5.30
3	120.2100	41.80	QP	-4.03	37.77	43.50	-5.73
4	250.1900	37.93	QP	-6.52	31.41	46.00	-14.59
5	351.0700	34.53	QP	-3.46	31.07	46.00	-14.93
6	445.1600	36.50	QP	-1.49	35.01	46.00	-10.99

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB (30MHz ≤ f < 1GHz)

10.5.3.6 測試狀態: Mode F

File: 20-07-MAS-052-Normal mode

#7

Date: 2020/8/18

Temperature: 24 °C

Site: RE02-EMC B1-N2

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
 EUT: PlayStation5 console(Wireless)
 Model: CFI-1018A
 Test Mode: Normal2
 Note: Game + HDMI + BT + WiFi + USB Cable 2

Polarization: Horizontal
 Distance: 3m
 Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	34.8500	41.28	QP	-4.64	36.64	40.00	-3.36
2	48.4300	41.14	QP	-6.93	34.21	40.00	-5.79
3	124.0900	39.71	QP	-3.88	35.83	43.50	-7.67
4	250.1900	42.23	QP	-6.52	35.71	46.00	-10.29
5	296.7500	41.53	QP	-4.50	37.03	46.00	-8.97
6	741.9800	33.54	QP	3.40	36.94	46.00	-9.06

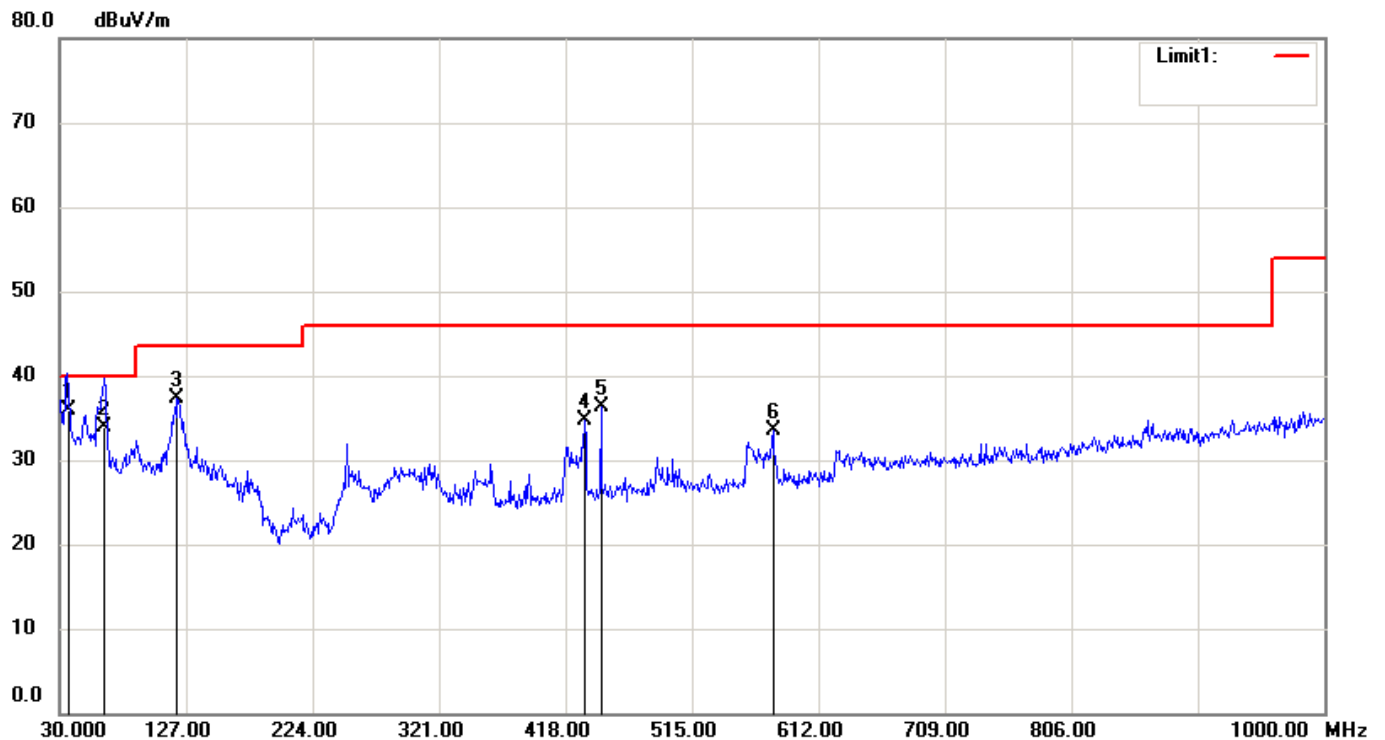
File: 20-07-MAS-052-Normal mode
Site: RE02-EMC B1-N2

#8

Date: 2020/8/18

Temperature: 24 °C

Humidity: 63 %



Condition: NCC_LP0002_30-1000MHz
EUT: PlayStation5 console(Wireless)
Model: CFI-1018A
Test Mode: Normal2
Note: Game + HDMI + BT + WiFi + USB Cable 2

Polarization: Vertical
Distance: 3m
Operator: Phillip

No.	Frequency (MHz)	Reading (dBuV/m)	Detector	Corrected dB/m	Result (dBuV/m)	Limit (dBuV/m)	Margin (dB)
1*	35.8400	40.81	QP	-4.81	36.00	40.00	-4.00
2	63.5800	44.46	QP	-10.46	34.00	40.00	-6.00
3	120.2100	41.41	QP	-4.03	37.38	43.50	-6.12
4	432.5500	36.20	QP	-1.58	34.62	46.00	-11.38
5	445.1600	37.87	QP	-1.49	36.38	46.00	-9.62
6	577.0800	33.35	QP	0.13	33.48	46.00	-12.52

註：1. 若以峰值檢測功能測量之值符合準峰值限制值，則可視同以準峰值功能測量之值亦符合準峰值限制值。

2. 量測不準確度: +4.20dB/ -4.24 dB ($30\text{MHz} \leq f < 1\text{GHz}$)

10.5.4 禁用頻段邊緣輻射場強之量測結果

10.5.4.1 BLE_Module1

10.5.4.1.1 測試模式：Mode A

操作模式: 發射接收

測試日期：Aug. 10, 2020

環境溫度：23°C

環境濕度：56%

主波 頻道	輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
		水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
	(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
CH Low	2390.000	27.2	14.1	27.9	14.1	34.6	62.5	48.7	74	54	-11.5	-5.3
CH High	2483.500	27.9	15.4	28.7	15.5	34.8	63.5	50.3	74	54	-10.5	-3.7

10.5.4.1.2 測試模式：Mode B

操作模式: 發射接收

測試日期：Aug. 10, 2020

環境溫度：23°C

環境濕度：56%

主波 頻道	輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
		水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
	(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
CH Low	2390.000	27.9	14.0	27.8	14.1	34.6	62.5	48.7	74	54	-11.5	-5.3
CH High	2483.500	27.7	14.5	28.3	15.1	34.8	63.1	49.9	74	54	-10.9	-4.1

註：1. 量測頻率範圍為 2310 ~ 2390 MHz及 2483.5 ~ 2900 MHz，並記錄兩頻率範圍中之最大讀值。

2. 量測不準確度: +4.10dB/ -4.10dB

10.5.4.2 BLE_Module2

10.5.4.2.1 測試模式：Mode C

操作模式: 發射接收

測試日期：Aug. 10, 2020

環境溫度：23°C

環境濕度：56%

主波 頻道	輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
		水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
	(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
CH Low	2390.000	27.7	14.0	27.8	14.0	34.6	62.4	48.6	74	54	-11.6	-5.4
CH High	2483.500	28.6	14.9	27.6	15.5	34.8	63.4	50.3	74	54	-10.6	-3.7

10.5.4.2.2 測試模式：Mode D

操作模式: 發射接收

測試日期：Aug. 10, 2020

環境溫度：23°C

環境濕度：56%

主波 頻道	輻射 頻率	儀器讀值@3m (dBuV/m)				校正 因子	結果值		限制值@3m		餘裕值 (worse)	
		水平		垂直			(dBuV/m)		(dBuV/m)		(dB)	
	(MHz)	峰值	平均值	峰值	平均值	(dB)	峰值	平均值	峰值	平均值	峰值	平均值
CH Low	2390.000	27.5	14.0	27.8	14.0	34.6	62.4	48.6	74	54	-11.6	-5.4
CH High	2483.500	28.3	14.7	28.9	15.0	34.8	63.7	49.8	74	54	-10.3	-4.2

註：1. 量測頻率範圍為 2310 ~ 2390 MHz 及 2483.5 ~ 2900 MHz，並記錄兩頻率範圍中之最大讀值。

2. 量測不準確度: +4.10dB/ -4.10dB

10.6 結果判定

以上之場強輻射測試結果皆低於限制值，合乎標準規定。

10.7 輻射之測試配置

圖 3: 量測頻率低於1GHz之測試配置

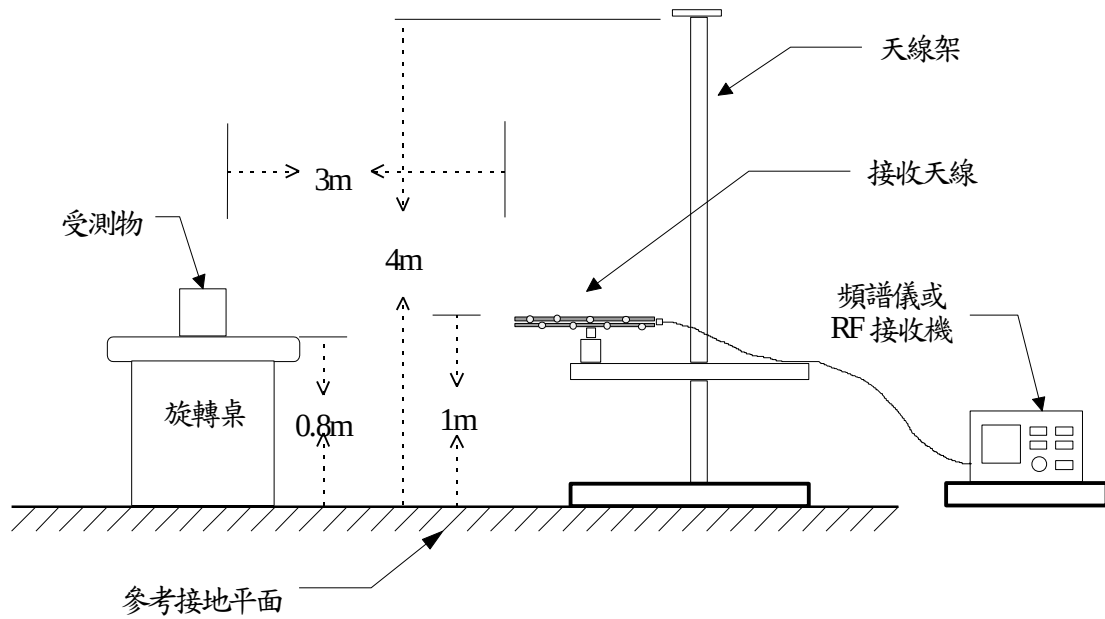
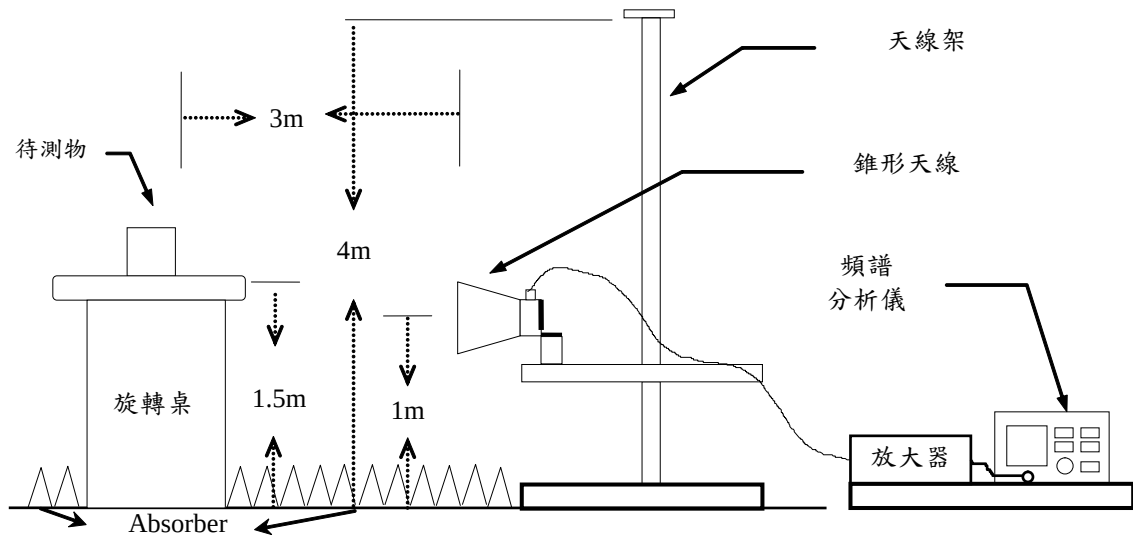


圖 4 量測頻率高於1GHz之測試配置



10.8 輻射量測之配置照片

請參考產品照片

11 量測之儀器

儀器名稱	製造者	型號	財產編號/序號	校驗日期	下次校驗日期
EMI Test Receiver	R&S	ESCI	13054418-001	11/26/2019	11/25/2020
V-LISN	R&S	ENV216	13057719-001	09/20/2019	09/19/2020
Spectrum Analyzer	R&S	FSV	13052017-001	06/12/2020	06/11/2021
Attenuator	WEINSCHEL	56-10	58772	04/24/2020	04/23/2021
EMI Receiver	R&S	ESCI	13054423-001	12/24/2019	12/25/2020
Spectrum Analyzer	R&S	FSU46	13040904-001	05/28/2020	05/27/2021
Horn Antenna	EMCO	3117	13059211-004	04/21/2020	04/20/2021
Horn Antenna	EMCO	3116	13059202-001	11/15/2019	11/14/2020
PRE-Amplifier	Agilent	8449B	13040709-001	12/31/2019	12/30/2020
PRE-Amplifier	Agilent	8447D	13040715-002	04/22/2020	04/21/2021
BiLog Antenna	ETC	MCTD 2786	BL19J04024	01/14/2020	01/13/2021